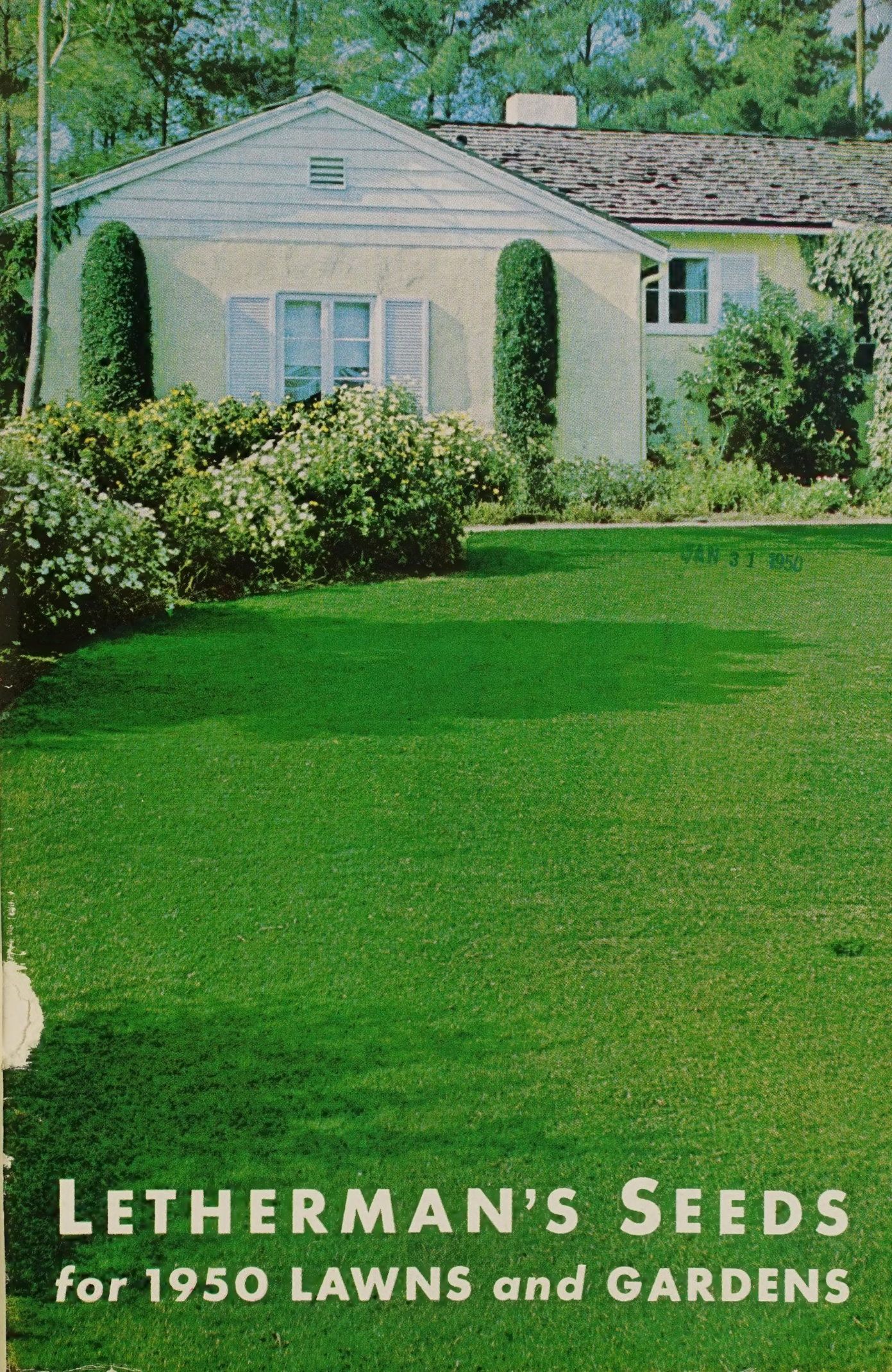


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JAN 31 1950

LEATHERMAN'S SEEDS
for 1950 LAWNS and GARDENS



The New Bedding Petunia, Fire Chief



Princess Asters Are Beautiful



New Snap Bean—Topcrop

Bean Topcrop
Description and Prices page 3

TWO GOLD MEDAL WINNERS for 1950

Petunia, Fire Chief
Description and Prices pages 25 and 36

**The Distinctly Different
Aster, Princess**
Description and Prices page 27

*You Will Enjoy your Garden more
than ever if you plant the good new
varieties*

LEATHERMAN'S LAWN MIXTURES

ARE BLENDED TO MAKE FINE, THICK, PERMANENT LAWNS

There is no magic about it, just plain common sense and knowledge of the characteristics of various grasses. The ingredients are refined to high purity and they are put together in the right proportions for this territory where you live. Also, we know that good seed is only one part of a good lawn. Prepare the soil and feed well. It's much easier and better to build a good foundation first. Consult us about preparation and the seed requirements.

NOTES ON LAWN MAKING—A leaflet recently prepared to answer your questions about lawn making and maintenance. We will gladly give you a copy.

McKinley Park Mixture

Our formula now includes Bent Grass

A splendid mixture for quick yet permanent results. Our most popular blend. The basis and permanent grasses are Kentucky Blue and Chewings Fescue with some White Clover. These are supplemented by quick growing nurse grasses which make a good green cover until the permanent grasses are well established. The result is a beautiful fine leaved lawn.

Lb. 95c, 3 lbs. \$2.85, 5 lbs. \$4.50, 10 lbs. \$8.75, 25 lbs. or more at 85c per lb.

Evergreen Mixture

A first class blend of re-cleaned grasses that will establish a good permanent lawn, durable yet fine leaved. Contains clover.

Lb. 85c, 3 lbs. \$2.45, 5 lbs. \$4.00, 10 lbs. \$7.75, 25 lbs. or more at 75c per lb.

Shady Dell Mixture

Very carefully blended, as is McKinley Park but containing a much larger proportion of varieties that will thrive in the shade. It must be considered also that soil which supports heavy tree growth as well as lawn, needs extra supplies of plant food and moisture.

Lb. \$1.00, 3 lbs. \$2.90, 5 lbs. \$4.75, 10 lbs. \$9.25, 25 lbs. or more at 90c lb.

Quikgreen Mixture. Fine for playground or other areas where fine texture is not of first importance.

Lb. 65c, 10 lbs. \$5.75, 25 lbs. at 55c lb.

White Dutch Clover

The best clover for lawn use. Roots quickly and deep.

1/4 lb. 35c, lb. \$1.25, 5 lbs. or more at \$1.20 per lb.

FINE GRASSES FOR LAWNS

We also carry big stocks of the following separate grasses for special lawn requirements and can make special mixtures to your formulae.

Kentucky Blue. Used as the basis for most Lawn Mixtures in this section. It is a fine leaved permanent grass, deep rich green in color. It spreads by creeping roots and makes a very close turf when conditions are at all favorable. Blue grass is slow to establish itself, which is the reason why we recommend using it in mixture with other quicker growing grasses. This reduces the weed problem.

Re-cleaned grade, lb. 85c, 5 lbs. at 80c per lb.

Red Top. Very quick growing and fairly permanent. Fine leaved—valuable in lawn or pasture.

Fancy grade, lb. 85c, 5 lbs. at 80c lb.

Chewings Fescue. Excellent deep green fine leaved grass for shade or sun. Excellent blended with Kentucky Blue Grass.

Lb. 90c, 5 lbs. at 85c lb.

Creeping Red Fescue. Fine leaved variety, the most desirable for shady conditions.

Lb. 90c, 5 lbs. at 85c lb.

Poa Trivialis. Excellent shady place grass, especially for moist spots. Blends very well with Kentucky Blue Grass. Lb. \$1.35, 5 lbs. at \$1.30 lb.

Domestic Rye. Excellent quick growing nurse grass, making an immediate covering. Especially desirable for protection of slower growing grasses, for instance on slopes or in warm weather. Lb. 30c, 10 lbs. at 26c lb.

Bent Grass, Seaside Strain. The creeping strain that spreads by overground stolons. Lb. \$1.45.

Bent Grass—Astoria Strain. Very desirable for the finest lawns or putting greens. This strain grows erectly and forms compact dense sod. Lb. \$1.35.

Timothy. Used where quick growth is wanted, though not permanent. Lb. 35c, 5 lbs. at 33c lb.

Velvet Turf Bent Mixture. Highly refined containing a large proportion of Bent grasses, also Blue Grass, but no White Clover. Lb. \$1.15, 5 lbs. \$5.50.

Prices on all grasses are subject to change without notice

• SPECIAL Grasses • Special Mixtures • Lawn Weed Killers • Fertilizers

You can buy all lawn materials at Letherman's. For complete listing of these items please refer to other pages in this catalog.

LEATHERMAN'S VEGETABLE PLANTING CHART

Distance apart, especially the space between rows, of course is variable. Those with only a very limited space plant rows closer than where room is unlimited. Method of cultivation also effects the spacing. Dates of planting depend somewhat on the particular season, the location and the type of soil.

Kind	Plants from 1 oz.	Seed for 100 ft. Row	Seed per Acre	Thin to or Plant Apart in Rows	Dates to Plant
Beans, Bush		1 lb.	60 lbs.	2 to 3 in.	May through July
Beans, Lima		1 lb.	60 lbs.	4 to 6 in.	Late May-June
Beans, Pole		½ lb.	30 lbs.	Hills 3 ft. apart	May-June
Beet, Table		1 oz.	10 lbs.	3 to 4 in.	April to July
Beet, Mangel		1 oz.	5 lbs.	5 to 6 in.	April to June
Broccoli	3000		4 oz.	18 to 24 in.	April-June
Brussels Sprouts	2500		4 oz.	18 to 24 in.	Mar.-Apr. June-July
Cabbage	3000		4 oz.	1½ ft.	April-July
Carrot		½ oz.	3-4 lbs.	2 to 2½ in.	Late Apr. through June
Cauliflower	2000		6 oz.	18 to 24 in.	Late Apr. to July
Celery	10000		2-4 oz.	6 to 8 in.	Mar.-Apr. inside
Chicory		½ oz.	4 lbs.	3 to 4 in.	May-June
Corn, Pop		½ lb.	6 lbs.	5 to 6 in.	May-June
Corn, Sweet		½ lb.	12 lbs.	9 to 10 in.	May to July 1
Cucumber		½ oz.	2 lbs.	1 to 3 ft.	May-July
Dill		½ lb.	5 lbs.	6 in.	May-June
Egg Plant	2000		8 oz.	18 to 24 in.	March inside
Endive		1 oz.	2-3 lbs.	8 in.	Apr. June-July
Kale		½ oz.	2-4 lbs.	18 to 24 in.	Apr.-June
Kohl Rabi		½ oz.	2-4 lbs.	4 to 6 in.	Apr.-June
Leek		½ oz.	4 lbs.	3 to 4 in.	Apr.-May
Lettuce		½ oz.	2-3 lbs.	4 to 12 in.	Apr.-May August
Melon, Musk	1 oz. to	100 hills	2-3 lbs.	2 to 3 ft.	May-June
Melon, Water	1 oz. to	25 hills	3-4 lbs.	4 to 6 ft.	May-June
Okra		2 oz.	8 lbs.	18 to 24 in.	Late May-June
Onion		½ oz.	4-5 lbs.	2 to 4 in.	Apr.-May
Onion (for sets)		½ oz.	4-5 lbs.	2 in.	Apr.-May
Parsnip		½ oz.	4 lbs.	3 in.	Apr.-May
Parsley		½ oz.	3 lbs.	4 to 6 in.	Apr.-May
Peas, Garden		¼ lb.	90-120 lbs.	1 to 2 in.	Mar.-May Aug.
Pepper	1500		8 oz.	18 to 24 in.	Mar. 1 inside
Pumpkin	1 oz. to	20 hills	3-4 lbs.	3 to 4 ft.	May-June
Radish		1 oz.	10-12 lbs.	1 in.	Apr.-July
Rutabaga		¾ oz.	2-3 lbs.	3 to 4 in.	May-July
Salsify		1 oz.	8 lbs.	3 to 4 in.	Apr.-June
Spinach		1 oz.	10 lbs.	6 in.	Apr.-May Sept.
Squash, Summer	1 oz. to	25 hills	4 lbs.	3 to 4 ft.	Late May-June
Squash, Winter	1 oz. to	15 hills	2 lbs.	3 to 4 ft.	Late May-June
Swiss Chard		1 oz.	10 lbs.	8 in.	Apr.-July
Tomato	2500		2-3 oz.	3 to 4 ft.	March inside
Turnip		¾ oz.	1½-3 lbs.	3 to 4 in.	Apr.-May July-Aug.

Number of Plants per Acre

If Planted	No. Plants	If Planted	No. Plants
12 x 12 in.	43,560	36 x 24 in.	7,260
12 x 18 in.	29,040	36 x 36 in.	4,840
18 x 18 in.	19,360	48 x 24 in.	5,445
18 x 24 in.	15,520	48 x 36 in.	3,630
24 x 24 in.	10,890	48 x 48 in.	2,723
30 x 12 in.	17,424	60 x 60 in.	1,743
30 x 24 in.	8,712	8 x 3 ft.	1,815
36 x 12 in.	14,520	8 x 8 ft.	680

Feet of Row per Acre at Given Distances

Distance Between Rows	Feet of Row
18 in.	29,010
24 in.	21,758
30 in.	17,427
36 in.	14,526
42 in.	12,439
48 in.	10,853

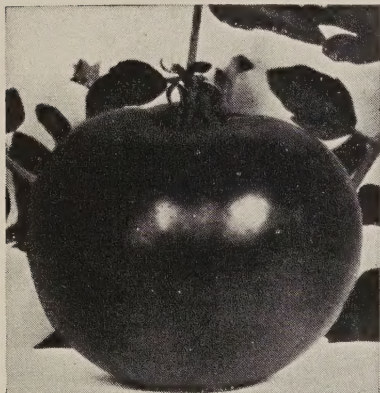
MAKE REMITTANCES by Money Order, Bank Draft, or Personal Check.

SEEDS DELIVERED FREE. We Prepay Transportation on all Vegetable and Flower Seeds at prices quoted in this catalog.

PURCHASER PAYS TRANSPORTATION on Potatoes, Onion Sets, Tools, Insecticides, Fertilizer, and Farm Seeds.

LIMITED WARRANTY. Letherman's, Inc., warrants to the extent of the purchase price that seeds or bulbs are as described on the container, within recognized tolerances. Seller gives no other or further warranty, express or implied.

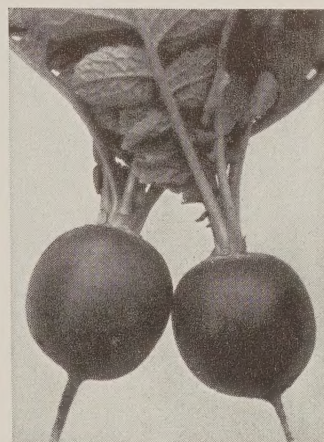
PRICES SUBJECT TO CHANGE. All prices in the catalog are subject to change should conditions make it necessary.



Wisconsin "55"
Very Heavy Yielding



Cherokee Wax



Cherry Belle
The Crisp New Radish

NEW VARIETIES FOR YOUR GARDEN

Topcrop Green Pod Bean

All-America Gold Medal for 1950

Thoroughly tested by U. S. Govt. Experiment Stations and Seedsmen and now offered as a green pod bean of exceptional merit. Topcrop is resistant to mosaic and virus disease, is hardy and a tremendous yielder of slightly curved round, meaty stringless pods. Outyields Tendergreen and other new strains. Earlier than Tendergreen, ready to pick in 7 weeks after planting.

1/2 lb. 35c, lb. 60c, 2 lbs. \$1.15, 5 lbs. \$2.75.

Cherokee—New Wax Bean

Cherokee has the quality, no denying that, and it also has the plant hardiness and "big yield" characteristics that set it above many good beans. Thick, oval, stringless, rich yellow pods.

1/2 lb. 30c, lb. 50c, 2 lbs. 95c, 5 lbs. \$2.25.

Carrot—Airliner

Long slim roots of excellent, tender quality, very similar in shape and coloring to the famous Imperator. It also has a strong top which makes a Carrot so valuable for ease in digging and bunching.

Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$3.00.

Gold Rush—The Early Sweet Corn

In just about 10 weeks after planting you can gather Gold Rush and the ears you get are big and of delicious quality. As the name implies it's a golden yellow kernal Hybrid.

1/2 lb. 30c, lb. 55c, 2 lbs. \$1.00, 5 lbs. \$2.50.

Hybrid Yellow Onion Y40

Now for the first time a hybrid Onion. Y40 is an early, mild, sweet onion, nearly full globe in shape and has outyielded Early Yellow Globe by 30 to 40%. It seems that practically every seed produces a good marketable onion.

Pkt. 25c, 1/4 oz. 90c, 1/2 oz. \$1.75.

Pickling Cucumber—Producer

Producer Pickle. Well named as it is a tremendous producer of well-shaped pickles. In trials last year some big growers found that they could reduce their acreage as Producer gave them many more pickles per plant and per acre.

Pkt. 10c, oz. 30c, 1/4 lb. 80c, lb. \$2.40.

Multifold Pea

Multifold. A slightly larger podded, improved Hundredfold. Ready for picking in 60 days on vines 2 ft. tall. Large peas of excellent quality, fine for quick freezing, shipping or general garden use. Wilt resistant.

1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75.

Pepper—Gold California Wonder

Has all the good qualities of the thick fleshed sweet California Wonder, but is rich golden yellow in color.

Pkt. 15c, 1/2 oz. 55c, oz. \$1.00.

Cherry Belle—New Radish

Bronze Medal Winner in All-America Awards

Bulbs are as round and as red as a cherry, with small tap root. It will remain solid and crisp long after other early radishes have become pithy. Fine for forcing and for outdoors on either upland or muck.

Pkt. 10c, oz. 20c, 1/4 lb. 60c, lb. \$1.80.

Uconn Squash

All-America Gold Medal for 1950

Has all the splendid qualities of Acorn or Table Queen plus the characteristics of cropping on a compact bush instead of a long vining plant and earliness. So it serves as both early and late. Fine for the home gardener, as plants can be set 3 x 3 ft. and 8 plants should produce a bushel of mature squash.

Pkt. 10c, oz. 35c, 1/4 lb. \$1.10, lb. \$3.40.

Wisconsin "55" Tomato—Big Yielder

For full description see page 23.

Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.10.



Asgrow Stringless Green Pod

DWARF WAX POD

Cherokee Wax. 50 days. They closely resemble, except in color of pod, the Asgrow Black Valentine which means it is an extremely heavy bearer of stringless, oval pods, long tender and of good quality. Cherokee is bound to become one of our leading yellow podded beans.

Imp. Golden or Top Notch. 51 days. Popular in home gardens because of its rich flavor and resistance to disease. Straight, thick-flat, stringless.

Pencil Pod Black Wax. 52 days. Plant large, stocky, vigorous, early, and profuse bearer. Pods round, slightly curved, very brittle, finest quality, and entirely stringless.

Round Pod Kidney or Brittle Wax. 58 days. Of superb quality, the round fleshy pods are slightly curved, extremely brittle and stringless.
 ½ lb. 30c, lb. 55c, 2 lbs. \$1.05, 5 lbs. \$2.50.

Sure Crop (Bountiful Wax). 53 days. A very prolific variety of splendid quality. The semi-flat pods are from 6 to 7" long and ½" wide.

**PRICES—All Varieties Except as Noted—Pkt. 10c, ½ lb. 30c, lb. 50c
 2 lbs. 95c, 5 lbs. \$2.25**

If you plant Beans in large quantities, please ask for prices.

To Enjoy the Finest Bean Crops

Plant May thru July. One lb. makes 100 ft. row

Plant after soil has warmed up in trench 1½ to 2 inches deep—spacing seed 2-3" apart. Space rows 24 to 30 inches apart depending upon size of your garden and method of cultivation. To get the best results pick pods as soon as edible. For steady supply make successive plantings until August 1st or early enough to insure crop before fall frosts. In the variety descriptions we give the approximate number of days to reach edible stage. Dust or spray regularly for beetles. Do not pick or cultivate beans when wet.

ASPARAGUS SEED

Seed started this spring will grow roots large enough to produce cutting stalks by the third year.
Mary Washington. Resistant to rust and the most popular variety. Heavily productive of large green shoots of finest quality.

Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. \$2.25.

Asparagus Roots. Please see page 46.

BEANS

DWARF GREEN POD

Topcrop. New All-America Prize Winner. Please see description and prices on page 3.

Logan. 55 days. Produces great long tender pods and never fails even under adverse conditions. Big growers have found that Logan gives them profitable crops and the pods stay in good eating condition longer than others. Pods are round, tender and delicious.

½ lb. 30c, lb. 55c, 2 lbs. \$1.05, 5 lbs. \$2.50.

Asgrow Stringless Green Pod—Impd. Tendergreen. 52 days. Pods are entirely stringless and fiberless, meaty and richly flavored. They are round, long (6-6½ inches) nearly straight and attractive dark green. Our most popular variety for quality and heavy yield.

Asgrow Stringless Black Valentine. 49 days. Handsome, oval, dark green, smooth pods completely free from strings, which keep their color and firmness well, even in shipping. A money maker.

Bountiful. 49 days. Most popular flat podded green bean. Long, flat, tender, stringless pods.

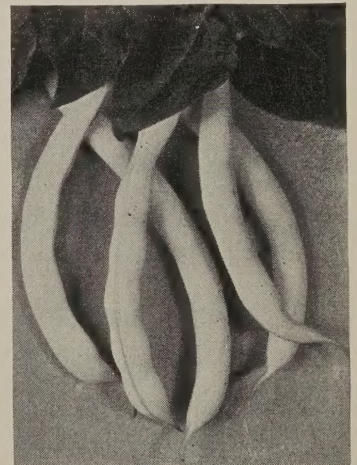
Burpee's Stringless. 50 days. Plant hardy, very productive. Pods long, round, meaty, brittle, tender, and stringless.

Dwarf Horticultural or Speckled Cranberry. Used both for snap beans (54 days) and green shelled beans (62 days).

Giant Stringless. 53 days. Very productive. Pods long, round, meaty, stringless and brittle, medium green in color.

Tendergreen. See Asgrow Stringless Green Pod.

Tenderlong. 50 days. A long podded strain of Tendergreen.



Pencil Pod Black Wax

BUSH LIMAS

Triumph. A new extra high quality baby lima, with seed thicker and larger than Baby Fordhook. It is also an extremely heavy yielder. Bronze Medal winner in All-America trials for 1949.

Early Market. 70 days. Produces an extra heavy early yield about a week earlier than Burpee's Improved. Plant quite compact. The beans are medium large, flat and of excellent quality. A very reliable variety for home garden or market. All-America Winner.

Burpee's Improved. 75 days. Plants are large, vigorous, and very productive. Excellent large seeded variety, fine for home gardens, always doing well.

Prices Above Varieties—Pkt. 10c, 1/2 lb. 30c, lb. 55c, 2 lbs. \$1.05, 5 lbs. \$2.50.

Baby Limas. 65 days. Plants small, erect and very early and prolific. Seeds small and excellent quality.

Pkt. 10c, 1/2 lb. 25c, lb. 45c, 2 lbs. 85c, 5 lbs. \$2.00.

The Fordhook or Potato Lima—Best for Market

Fordhook Regular. 77 days. The original Potato Lima and extremely heavy yielding, though sensitive to conditions. Large thick oval beans of rich flavor. Pod straight, thick walled.

Fordhook 242. 75 days. Developed by U.S.D.A. to set pods better in hot, dry weather. In some trials it has outyielded all others. Pods thinner walled than Regular, slightly curved. Dried beans a trifle smaller.

Fordhook Asgrow Concentrated. 71 days. The earliest Fordhook with pods concentrated as to position on plant and giving full crop over a short period. Seeds slightly smaller than Regular, but thicker.

Prices All Fordhook Strains—Pkt. 10c, 1/2 lb. 30c, lb. 55c, 2 lbs. \$1.05, 5 lbs. \$2.50.

POLE BEANS—GREEN

Heavily productive over a long season. Plant with corn or with pole or trellis supports. The hills are spaced 2 to 3 feet apart, 4 to 5 seeds in a hill.

Potomac. 65 days. Very productive of long straight, almost round dark green pods. Of better quality than Kentucky Wonder, being entirely stringless.

Kentucky Wonder (Old Homestead). 65 days. Plants are very tall and prolific. Pods long, curved, and nearly round, meaty, fiberless and brittle.

Lazy Wife. 74 days. A good late variety. Used as a snap, green shell and dried winter bean.

London Horticultural (Speckled Cranberry). 70 days. Widely used as a snap and green shell bean. Pods thick-flat, slightly curved, and good quality.

White Seeded Kentucky Wonder. 65 days.

PRICES—All Pole Beans Except as Noted—Pkt. 10c, 1/2 lb. 30c, lb. 55c, 2 lbs. \$1.05, 5 lbs. \$2.50

DRY SHELL FIELD BEANS

Michelite Pea or Navy Bean. 90 days. The best of the small white beans, superior in yield and uniformity of seed size. Disease resistant.

Great Northern. 90 days. Larger seeded.

White Marrow. 100 days. Large rounded seed.

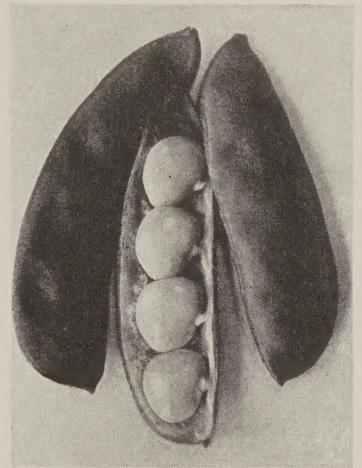
White Kidney. 95 days. Kidney shaped.

Dark Red Kidney. 95 days. Old favorite.

Prices All Field Varieties—Pkt. 10c, 1/2 lb. 20c, lb. 35c.

Ask for Quantity Prices.

Bean prices subject to change.



Fordhook Concentrated

GROWING LIMAS

Plant only after soil is warm and frost danger past, late May and June. For green shell beans you can plant up to July 10. One pound plants 100 ft. row. Place seeds edgewise, eye down. Inoculate with Nitragin—treat with Spergon.

POLE WAX PODDED

Kentucky Wonder Wax. 68 days. Plants very productive. Pods waxy-yellow, fleshy and tender. 1/2 lb. 35c, lb. 60c, 2 lbs. \$1.15.

POLE LIMAS

Set 8 foot poles 4 feet apart each way, plant 4 to 6 beans to the hill, eyes downward. Thin out to 3 plants. One lb. plants 50-75 hills.

Challenger Improved (Fordhook Pole). 92 days. A potato lima, similar in pod and seed to Fordhook Bush.

King of the Garden. 88 days. Very productive. Pods 5 to 6 inches long with 4 to 5 large beans.

Butter Beans. Not Limas but runner beans with long vines that bear great quantities of pods in clusters. Seeds are white and are used in green shell or dry stage and are of excellent quality.

EDIBLE SOY BEANS

Bansei. 90 days. Best variety for North. Plants erect and of medium height, very prolific. Beans glossy yellow, of mild and pleasing flavor. Rich in vitamins, low in starch.

1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75.

INOCULATE GARDEN BEANS

Treat the seed with Nitragin for biggest yields. Pkg. enough for 8 lbs. seed 15c.

TREAT LIMAS WITH SPERGON

It protects early plantings in cold wet soil. 1 oz. (treats 1/2 bushel) 25c.



Asgrow Wonder

Finest Strain "Detroit"—Best Main Crop Beet

Detroit Dark Red. 68 days. Roots are globular, with small tap root, flesh deep blood red, tender and sweet. Detroit is one of the very finest beets for all home garden purposes, canning, and for market.

Letherman's Green Top. 75 days. The leaves are bright green, often used for "greens," the root is top-shaped, deep blood red, of fine texture without fiber or strings—sweet and tender at all stages.

Crosby's Egyptian. 60 days. Early, sweet, tender.

Early Blood Turnip. 68 days. An old time favorite.

Prices All Varieties Beets—Pkt. 10c, oz. 20c, 1/4 lb. 50c, lb. \$1.60.

All root crops are more tender if they grow quickly. Do not spare the fertilizers in making your garden.

MANGELS FOR STOCK AND POULTRY

Golden Tankard. 100 days. Yellow fleshed. Large.

Mammoth Long Red. Heaviest cropping of all. Flesh white.

Either Variety—1/2 oz. 10c, oz. 15c, 1/4 lb. 40c, lb. \$1.20.



Broccoli, Green Sprouting

BEETS

Plant April to July, one ounce to 100 ft. row.

Sow as early as soil can be worked. Beets thrive best in a light, loose, deeply worked soil that has been enriched for a previous crop, and that is not acid. Sow about 12 seeds per foot 1/2 in. deep in drills 18 in. apart. Plants should be thinned out to 3" or 4" apart; this may be done when they are 2" high or they may be left until they reach 6" for use as "greens."

For late crops it is well to thoroughly soak the seed before sowing. This insures quicker and better germination. Cover late sowings a little deeper.

Best Early Beet

Asgrow Wonder. 57 days. Unsurpassed in earliness, uniformity, and in depth of coloring. Distinctive green tops, uniform in size and color, bunching very attractively. Roots round when young, semi-globular later, deep red, smooth, and of excellent quality.

Detroit
Dark
Red

Swiss Chard—Spinach Beet—see page 20

BROCCOLI

Maturing in late fall is preferred to growing an early crop as they develop best in cool weather.

Italian Green Sprouting. If central head and sprouts are cut as they develop, plants yield over a long period. About 60 days from setting of plants to first cutting.

Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.50.

BRUSSELS SPROUTS

One ounce will produce 2,500 plants.

Sow seed in hotbed or cold frame in March or early April for early crop. For late crop set plants in field late June or July.

Long Island or Half Dwarf Improved. Excellent variety growing about 20 inches high.

Pkt. 10c, 1/2 oz. 40c, oz. 75c.

CABBAGE

Set early cabbage in field April and May. Set late cabbage in field June and July. One ounce will produce 3,000 or more plants.

Cabbage does best in rich soil. Sow the early varieties in March in boxes or hotbed, and harden off by gradually exposing to outside conditions. Transplant outside as soon as ground can be worked in rows 2 feet apart and 1½ feet apart in the rows. Sow late varieties in May or June and transplant in July.

EARLY VARIETIES

Copenhagen Market. 69 days. An early round headed variety, few outer leaves, short stem. Excellent for shipping, kraut, or home garden.
Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.20.

Early Jersey Wakefield. 63 days. Pointed head about 7 in. long; dwarf, compact, and very early.
Pkt. 10c, ½ oz. 20c, oz. 35c, ¼ lb. \$1.00.

Golden Acre. 64 days. An extra early selection of Copenhagen type. Plant dwarf and compact with few outer leaves; solid and very uniform.
Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.20.

Golden Acre Yellows Resistant. Same season and size as Golden Acre.
Pkt. 10c, ½ oz. 35c, oz. 65c, ¼ lb. \$2.00.

Glory of Enkhuizen. 77 days. Large, round, solid heads, of excellent quality.
Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.20.

Marion Market. 79 days. Yellows Resistant Strain of Copenhagen. Slightly larger and later.
Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.50.



Copenhagen Market

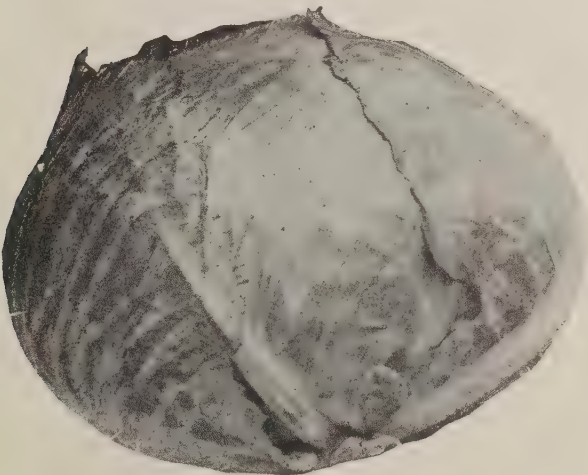
Racine Market, Yellows Resistant. 60 days. An early selection from Copenhagen and especially uniform and dependable. Leaves gray-green.
Pkt. 10c, ½ oz. 35c, oz. 65c, ¼ lb. \$2.00.

MIDSEASON AND LATE VARIETIES

Bugner. 105 days. Partially resistant and real hardy. Larger and flatter than Ballhead.
Pkt. 10c, ½ oz. 35c, oz. 65c, ¼ lb. \$2.00.

Danish Ballhead. 103 days. Because of its great solidity and excellent keeping qualities it is the most popular winter variety.
Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.20.

Penn State Ballhead. 105 days. Extremely hard, large flattened globe shaped heads.
Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.50.



Bugner, Solid Heavy Head

Drumhead Savoy. 90 days. Heads flattened globe shape, deep green and heavily crinkled. Savoy cabbage has a distinct flavor.
Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.50.

Early Flat Dutch, Stein's. 90 days. A heavy producer of large, flat heads.
Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.20.

Mammoth Rock Red. 100 days. Most popular red cabbage. Round very hard heads.
Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.50.

Premium Late Flat Dutch. 100 days. A popular old favorite. Makes large flat solid heads of fine keeping quality.
Pkt. 10c, ½ oz. 20c, oz. 35c, ¼ lb. \$1.00.

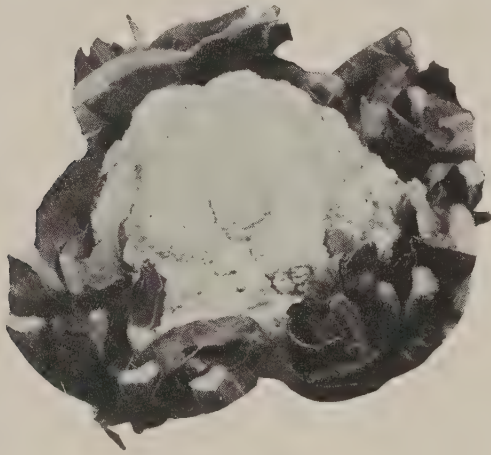
Wisconsin Hollander No. 8. 105 days. The Yellows Resistant strain of Ballhead.
Pkt. 15c, ½ oz. 35c, oz. 65c, ¼ lb. \$2.00.

Wisconsin All Season (Yellow Resistant). 95 days. Heads large, solid and excellent quality. Desirable for kraut, also a good winter keeper.
Pkt. 15c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.50.

CHINESE CABBAGE

Best for a late crop, sowing seed in July or August for fall and early winter use.

Chihli. 75 days. Heads are long, cylindrical, solid, sweet and tender.
Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 90c.



Early Snowball

CAULIFLOWER

One ounce produces 1,500 to 2,000 plants. The Cauliflower is a member of the cabbage family and should be similarly cultivated. To blanch the head, the outer leaves should be loosely gathered round it and tied when heads first appear.

Early Snowball. 55 days. The best early variety. Compact, pure white heads of superb quality. Dwarf growth, medium size heads.

Snowdrift. 62 days. Slightly later and larger than Snowball with plenty of foliage for head covering. Does well under a wide range of conditions. Especially fine for main crop or fall use.

Either Variety Pkt. 20c, 1/4 oz. 80c, 1/2 oz. \$1.50, oz. \$2.75.

Ideal Snowball. New All-America Award Winner. Early sure heading.

Pkt. 25c, 1/4 oz. \$1.75.

CARROTS

Sow late April through June, 1/2 oz. to 100 ft. row.

Carrots develop roots quickly in deep, well prepared fine soil that does not bake hard or crust. Make first sowing in late April spacing seed quite thickly, and covering 1/4 to 1/2 inch deep. Thin out to stand 2 to 2 1/2 inches apart. As carrots are best when still small make several sowings.

If your soil is heavy, grow shorter root varieties, the long slim ones for deep loose soil.

Three Extra Fine Carrots

Airliner. See description Page 3.

Nantes Improved Coreless. 70 days. Length 6 in. We have an excellent strain of Nantes, more popular each year because of its fine grained tender quality, plus handsome appearance. Roots bright orange, slender, cylindrical and blunt ended.

Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$3.00.

Nancy. 72 days. Length 6 in. Roots are coreless, sweet, of the very highest quality. They average 1 1/2 in. in diameter at the shoulder slightly tapering to base. The tops are strong for easy bunching.

Pkt. 10c, oz. 30c, 1/4 lb. 90c, lb. \$3.00.

Excellent Standard Varieties

Chantenay Improved Long Type. 72 days. Length 6 in. A popular all-purpose variety. Roots deep orange, smooth, tapered, stump-rooted; flesh deep orange. Fine quality.

Chantenay Red Core or Coreless. 72 days. Length 5 in. Roots are somewhat shorter than Improved Chantenay so more desirable on shallow soils; flesh reddish orange with indistinct tender core.

Danvers Red Core, Coreless Strain. 75 days. Length 7 in. An outstanding strain of the Danvers type, of better quality and slightly longer than original.

Danvers Half Long. 75 days. Length 6 in. Popular old favorite.

Imperator. 77 days. Length 8 in. Tops are medium and just right for bunching. Roots are long, slender, have rounded shoulders and taper to a semi-blunt end. Flesh is rich orange, fine grained, tender and sweet.

Oxheart. 72 days. Length 4 1/2 in. A prolific variety, with blunt heart-shaped roots.

Prices All Varieties Except as Noted—Pkt. 10c, oz. 25c, 1/4 lb. 80c, lb. \$2.40.



Carrot, Nantes Imp. Coreless

CHICORY

Magdeburg or Coffee. Roots roasted and used as coffee. Leaves are good for salad in spring.

Witloof, French Endive. Seed sown in spring. Roots taken up in fall, stored in sand for winter forcing. Shoots are a great delicacy.

Either Variety—Pkt. 10c, oz. 40c.

COLLARDS—Georgia. A non-heading type of cabbage, widely used for greens. Withstands heat. **Pkt. 10c, oz. 15c, 1/4 lb. 40c.**

CURLED CRESS—Pepper Cress. A cress of pungent flavor used for salads and garnishing. **Pkt. 10c, oz. 25c.**

CELERY

For early set plants in May. For late set plants in July. One ounce produces 8,000 to 10,000 plants.

Soil should be rich and well prepared with a constant supply of moisture maintained. Sow the seeds in beds or boxes during March or April, transplant to other beds or boxes in finely prepared rich soil when plants are 3 to 4 inches high, 3 inches apart each way. In June or July transplant to the garden. Do not cover celery for blanching in warm weather.

Emperor. A dwarf variety with dark green foliage. Stalks thick, broad, and tender. Excellent green celery for late fall or winter.

Pkt. 10c, $\frac{1}{4}$ oz. 30c, $\frac{1}{2}$ oz. 55c, oz. \$1.00.

Giant Pascal. A green variety for fall and winter use. Plant stocky with dark green leaves. Stalks long, broad, and solid.

Pkt. 10c, $\frac{1}{2}$ oz. 35c, oz. 65c.

Summer Pascal—Special Strain. The outstanding green celery. Very easy to blanch and of finest quality. Plant green, medium height with nearly round, smooth crisp heavy stalks of delicious nutty flavor. For either early or late crop and we highly recommend it.

Pkt. 15c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.00, oz. \$1.90.

Utah 16, Jumbo Pascal. Fine tall strain of Pascal with thick, solid, broad stems. Blanches readily. Has a nutty flavor and fine quality.

Pkt. 15c, $\frac{1}{4}$ oz. 60c, $\frac{1}{2}$ oz. \$1.00, oz. \$1.90.

Golden Self Blanching, Dwarf Strain. Plant stocky and compact. Stalks solid and delicate flavor. Blanches to golden yellow.

Pkt. 10c, $\frac{1}{4}$ oz. 30c, $\frac{1}{2}$ oz. 55c, oz. \$1.00.

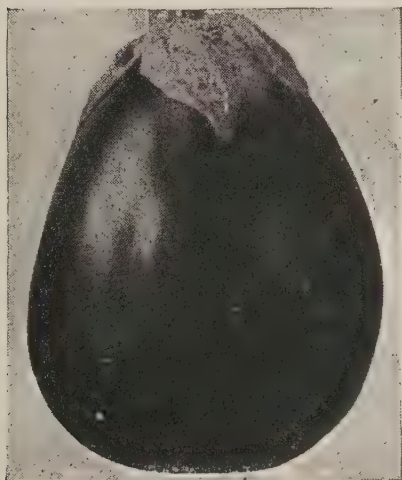
Celeriac, Smooth Prague. A turnip-rooted celery used for celery flavoring in soups.

Pkt. 10c, $\frac{1}{4}$ oz. 25c, $\frac{1}{2}$ oz. 40c, oz. 75c.

DANDELION

Improved Thick Leaved. Hardy perennial form with broad leaves, superior to native. Cover seed lightly.

Pkt. 15c, $\frac{1}{4}$ oz. 55c, $\frac{1}{2}$ oz. \$1.00, oz. \$1.75.



Black Beauty



A Profitable Crop of Celery

DILL

Long Island Improved. Used for flavoring pickles and vinegar. Sow in early spring covering seed about $\frac{1}{2}$ inch.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

EGG PLANT

Sow seed in March in hotbed or seed boxes. When 3 inches high transplant into small pots. Plant outdoors after the weather has become warm.

Black Beauty. 80 days. Large purplish black fruits, solid, tender and of good flavor.

New Hampshire Hybrid. 70 days. An early market variety for short season areas.

Prices, Either Variety, Pkt. 10c, $\frac{1}{4}$ oz. 30c, $\frac{1}{2}$ oz. 50c, oz. 90c.

ENDIVE

Sow seed in April for early use, or for late use in June or July. When 2 or 3 inches high, transplant or thin to 8 inches apart. To blanch hearts, raise leaves and tie together over heart.

Batavian Full Heart. 71 days. Inside leaves crisp and tender, forming a rather solid head which blanches creamy white.

Green Curled Ruffec. 76 days. Leaves are finely cut giving it a mossy appearance. The full center blanches readily to white.

PRICES—Either Above—Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c.

Large Green Curled—Pancalier or Pink Ribbed. 76 days. Large with coarsely toothed leaves forming a good blanched heart. Midribs tinged rose.

Pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Hotkaps for Frost Protection—Earlier Planting—Early Crops



Golden Cross Bantam

OPEN POLLINATED—YELLOW

Listed in order of earliness

Golden Sunshine. 74 days. Ears have 10-12 rows, with medium kernels.

Golden Bantam. 79 days. Short stalks, often have 2 ears. Ears are 8 rowed with broad, sweet, tender kernels. For sweetness Golden Bantam is unbeatable.

Golden Bantam, Improved 10-14 rowed. 82 days. Larger than Golden Bantam and kernels remain tender longer. Kernels deep and sweet.

Golden Giant. 87 days. Large 12-16 rowed ears. For home or market.

Whipple's Early Yellow. 87 days. Medium large ears, well filled to tips.

Bantam Evergreen. 95 days. A late yellow variety with 14-18 rows of rich golden yellow, deep, sweet kernels.

Prices on All Above Varieties—Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.50.

HYBRID WHITE VARIETIES

Stowell's Evergreen Hybrid 14 x 5. 93 days. Tall, sturdy stalks with ears borne about 4 feet from the ground. Ears are large and slightly tapered with 16-18 rows. Kernels white and deep of medium growth.

Country Gentleman Hybrid 8 x 6. 99 days. Ears average 8 inches long, kernels in irregular rows. Extremely drought-resistant.

Prices All Hybrid White Varieties—Pkt. 15c, ½ lb. 40c, lb. 75c, 2 lbs. \$1.40, 5 lbs. \$3.25.

Grow Your Own SWEET CORN

Only corn that is served within an hour or two after gathering is really corn at its best. Only when you grow your own is this possible.

All our varieties are of good quality and we hesitate to recommend any one as being the best. We prefer the Hybrids knowing that they give you more edible ears per row.

To get a long "corn eating season" you can select one variety and make several plantings, or you may choose several varieties that vary in season and plant all at one time. For instance, one good set of 3 is Marcross, Carmelcross and Golden Cross Bantam. Another is Carmelcross, Golden Cross and Erie. Watch the days to maturity as given in our variety descriptions.

HYBRID YELLOW VARIETIES

Listed in order of earliness

Gold Rush. 71 days. Though 10 days earlier than Golden Cross Bantam, the ears are nearly as large. (12 to 14 rowed 8 to 8½ inches long) and very close to the same high quality. Ears slightly tapered, well filled to the tips. 6 ft. tall.

Spancross C13.3. 71 days. Valuable when earliness is the first consideration.

Marcross C13.6. 76 days. Short, sturdy stalks, highly resistant to wilt. Long, plump ears tapered at tips with 10-14 rows of cream-yellow kernels.

Carmelcross. 79 days. Excellent for home garden, market or canning and very vigorous and productive for an early variety. Medium size ears, 12 to 14 rows. Carmelcross is rapidly gaining in popularity.

Lincoln. 83 days. Vigorous, well foliaged plants with long tapering ears well filled to the tips. 12 to 16 rows of bright yellow kernels.

Golden Cross Bantam. 85 days. The standard yellow hybrid for home and market garden. Excellent quality. Ears 10-14 rowed, with rich yellow kernels.

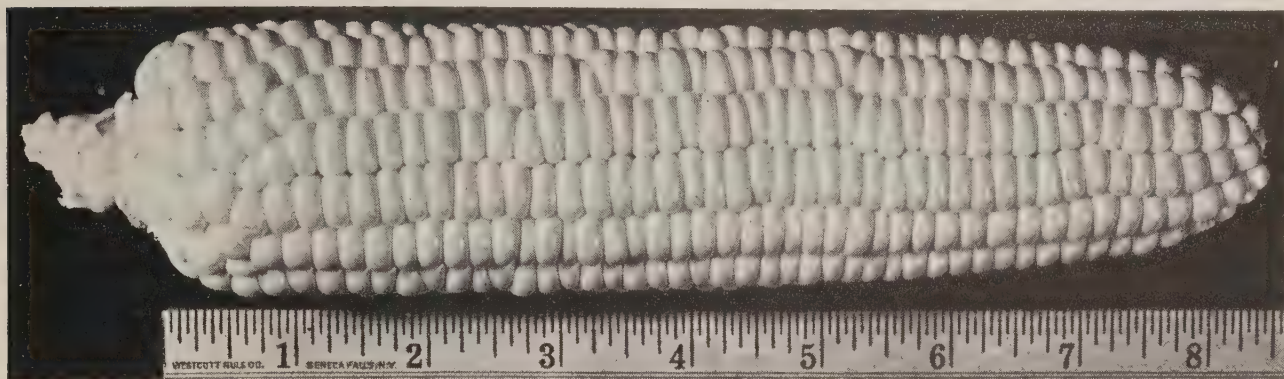
Golden Hybrid 2439. 87 days. Tall, leafy stalks with few suckers. Excellent ears with deep bright yellow kernels of top quality.

Ioana. 87 days. A very productive variety that does much better than most even under adverse weather and soil conditions. Ears 7½ to 8 inches long with 12 to 14 rows of light yellow, very sweet kernels.

Erie. 88 days. A splendid new Hybrid, an All-America Winner. Erie produces beautiful long cylindrical, slightly tapered ears, 12 to 14 rowed, well filled to the tips. The quality is excellent. Plants are wilt resistant and relatively resistant to dry weather.

OhioGold 1. 91 days. Gives the grower the combination of high yield with excellent quality. The tall rugged stalks produce long ears of 12 to 14 rows of kernels.

Prices on All Above Varieties—Pkt. 15c, ½ lb. 30c, lb. 55c, 2 lbs. \$1.00, 5 lbs. \$2.50.



Erie, Fine Quality Yellow Hybrid

To Grow Sweet Corn

Plant May (warm soil) to July 1st

One lb. to 200 ft. row, 12 lbs. per acre

Plant 5 to 6 seeds per foot, thinning out later so that plants stand 9 to 10 inches apart. Fertilize deep before planting and side dress with fertilizer a

couple of times as the corn is growing. Do not hoe or cultivate deeply as roots are shallow. Pull the soil up around the stalks to hold moisture below and to brace them. It is better as far as pollenization and yield is concerned to plant one variety in 3 or 4 parallel rows rather than one long row. Dust or spray for borer and corn ear worm.

SWEET CORN—OPEN POLLINATED—WHITE VARIETIES

Howling Mob. 83 days. A prolific variety for the home garden. Ears 12-16 rowed with plump white kernels.

Whipple's Early White. 85 days. Ears 14-18 rowed, kernels deep, sweet and tender.

Black Mexican. 88 days. Ears 8 rowed, kernels tender, sweet, white at eating stage changing to blue-black.

Clark's Early Evergreen. 90 days. A variety popular for its large ears of 16-20 rows. Kernels are very deep, sweet and tender.

Stowell's Evergreen. 95 days. Most popular late variety for home and market gardeners. Large ears 16-20 rowed. Quality is excellent and it holds well in prime condition at the eating stage.

Aunt Mary's. Gardeners who grow this corn say it's the sweetest of the sweet. Fairly late.

Prices on All Varieties—Pkt. 10c, 1/2 lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.50.

Country Gentleman, Shoepeg. 95 days. A prolific variety. Kernels are set irregularly, are deep, slender, and very sweet.

GROW POP CORN

Hybrid Purdue 31, in comparison with the heaviest yielding standard varieties, runs almost 2 to 1, and the popping expansion is even greater than the South American or T.N.T. On top of all that the eating quality of the popped corn is of the best.

Pkt. 15c, 1/2 lb. 50c, lb. 90c, 2 lbs. \$1.70.

Giant Yellow (South American Giant T.N.T.). 100 days. Pops out very large.

Golden Queen. 90 days. Long, slender ears.

White Rice. 90 days. Heavy yielding, white kernels.

Hulless. 85 days. Small eared. Pops out very tender and hulless.

All Above Varieties—Pkt. 10c, 1/2 lb. 25c, lb. 40c, 1 lbs. 75c, 5 lbs. \$1.50.

PLANT SOME HERBS THIS YEAR

Anise. 75 days. An annual, grown for the seeds, used in flavoring. Pkt. 10c, oz. 40c.

Basil, Sweet. An annual plant, with spicy aroma. Pkt. 10c, 1/2 oz. 30c, oz. 50c.

Borage. 80 days. Annual. Fuzzy leaves used as pot herb and for flavoring. Pkt. 10c, 1/2 oz. 35c.

Caraway. Biennial. Seeds used for cakes, etc. Pkt. 10c, 1/2 oz. 25c.

Chives. Perennial, belonging to onion family. Leaves used in salads, soups, and stews. Pkt. 15c, 1/4 oz. 40c.

Coriander. 75 days. Annual. Seeds are used for spices and medicinally. Pkt. 10c, 1/2 oz. 35c.

Florence Fennel. Annual. Pkt. 10c, 1/2 oz. 30c.

Sweet Fennel. 70 days. Annual. Seeds used for flavoring confections and medicines.

Pkt. 10c, 1/2 oz. 40c.

Horehound. Perennial. Leaves used for seasoning and for cough medicines. Pkt. 15c, 1/4 oz. 50c.

Lavender. Perennial. Dried flower stalks are used in perfumes and for scenting linens. Pkt. 15c.

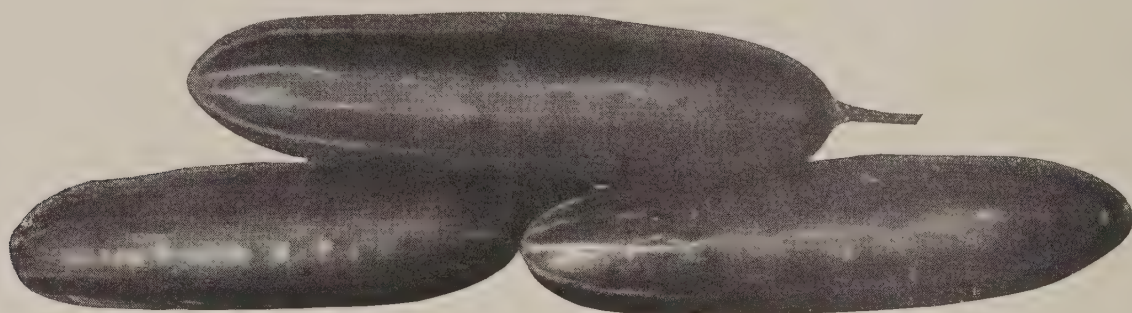
Sage. Perennial. Has an aromatic odor and is commonly used for seasonings and medicines.

Pkt. 15c, 1/2 oz. 40c.

Summer Savory. Annual. Leaves used for salads, and dried for soups, etc. Pkt. 10c, 1/2 oz. 35c.

Sweet Marjoram. Tender perennial grown as an annual. Leaves used in seasoning. Pkt. 15c.

Thyme. Perennial. Strong aromatic odor. Used for seasoning, and in medicines. Pkt. 15c.



Marketer, For Both Quality and Appearance—The Best

CUCUMBER

Plant late May to July 15. 1 oz. plants 100 hills.

Plant after soil has warmed up in hills 3 ft. apart with the rows of hills 5 to 6 ft. apart. Place 8 to 10 seeds in a hill, thinning out later to 3 good plants. Watch closely for insects, dusting or spraying regularly. Pick the fruits as soon as ready to keep vines bearing.

Extra Fine Slicers

Marketer. 61 days. Early and noted for its rich dark green color, handy size, slender shape and fine crisp flesh. Vigorous and prolific vines make this valuable for early market or home garden.
Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$2.70.

Cubit. 66 days. Beautiful long, deep green cylindrical fruits, with firm crisp flesh and small seed cavity.
Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$2.70.

Hybrid Cucumber. 60 days. The vines of the Hybrid continue to bear after most other kinds have passed out of the picture. It shows high resistance to downy mildew and mosaic disease. The fruits are handsome, 8 inches long, with crisp flesh of fine quality.
Pkt. 30c, ¼ oz. \$1.50.

Standard Slicing Cucumbers

Arlington White Spine. 62 days. Favorite variety, early and productive.

Colorado or A & C. 68 days. Fruits very attractive, dark green, with small seed cavity. Fine for market gardening and shipping.

Early Cluster. 55 days. Chunky, small fruits borne in clusters. For slicing or pickling.

Improved Long Green. 67 days. A very prolific variety for the home garden. Fruits deep green, straight, very crisp. For pickling or slicing.

Straight 8. 66 days. Fruits 8 inches long, cylindrical.

White Wonder. 90 days. Fruits about 7 inches long, smooth and ivory white.

Prices—All Varieties Except as Noted—Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.15.

Producer Pickling. 54 days. A white spine pickling variety that out-yields all others. The fruits are produced in clusters, dark green in color, slightly shorter than National Pickling.

Pkt. 10c, oz. 30c, ¼ lb. 80c, lb. \$2.40.



Producer—Heaviest Yielding Pickler

National Pickling. 56 days. Very uniform and valuable variety for small pickles. Fruits dark green, symmetrical and blunt ended.

Boston Pickling. 58 days. Prolific early.

Chicago Pickling. 59 days. Square ended, uniform, well warted and largest of the pickles.

All Above Varieties Except Producer—Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.00.

KALE

Sow early in Spring or in June for fall crop. Frost improves the quality. ¼ oz. to 100 ft. row.

Dwarf Green Scotch. 55 days. A handsome plant with wide spread plummy dark green leaves, fine curled and frilled.

Pkt. 10c, oz. 25c, ¼ lb. 85c.

Dwarf Siberian. 65 days. Blue green leaves.

Pkt. 10c, oz. 20c, ¼ lb. 65c.

KOHL RABI

½ oz. to 100 ft. row.

Can be planted in succession from early spring to August 1. Thin out to stand 4 in. apart. Kohl Rabi is tender only while young.

Early White Vienna. 55 days. Bulbs 2-3 inches in diameter, globular, flesh clear white.

Purple Vienna. 62 days. Bulb exterior is purple but flesh greenish white.

Either—Pkt. 10c, ½ oz. 20c, oz. 35c.

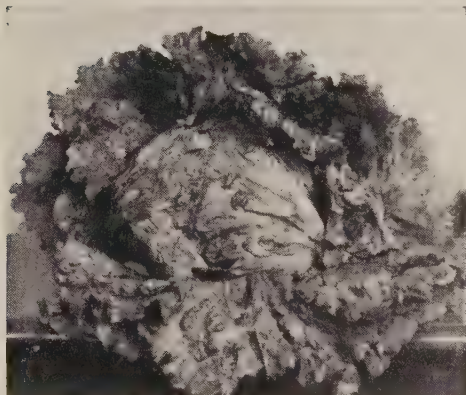
LEEK

½ oz. to 100 ft. row.

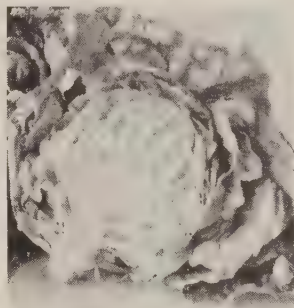
Plants have long fleshy stalks instead of bulbs. Excellent for soups and salads. Sow in early Spring, thinning out to 3-4 inches apart.

Large American Flag. An early popular sort.

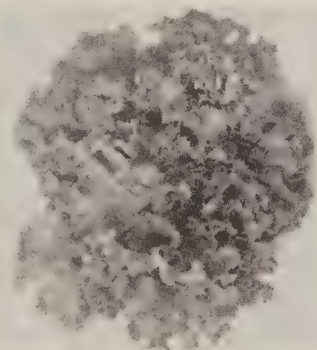
Pkt. 10c, ½ oz. 35c, oz. 60c.



Progress, Imperial Type



Bibb



Grand Rapids

LETTUCE

Sow seed April, May and August.
 ½ oz. plants 100 ft. row.

To grow head lettuce early, sow seed in March in boxes, flats, or hotbed. When an inch high, transplant to coldframes. From there set out in the garden as soon as the soil is warm in rows 12-18 inches apart and 7 inches apart in the rows. Where there is no hotbed, sow seed outside in April and transplant. For loose-leaf sorts sow seed either broadcast or in rows.

LOOSE LEAVED LETTUCE

Three Unusual Varieties

Oak Leaf. 45 days. Excellent summer heat resisting lettuce as the leaves retain their good flavor and tenderness without getting bitter. Attractive dark green "oak leaf" leaves.

Pkt. 10c, oz. 30c, ¼ lb. \$1.00.

Bronze Beauty. 40 days. Another fine oak leaf variety that stays "good to eat" for a long season. Leaves are attractively bronze tinted.

Pkt. 15c, ¼ oz. 30c, oz. \$1.00.

Slobolt. 43 days. As name implies it is very slow to go to seed even in hot dry weather. Like Grand Rapids in leaf.

Pkt. 15c, ½ oz. 35c, oz. 60c.

Black Seeded Simpson. 46 days. Most popular for home garden. Crumpled, frilled leaves are crisp and tender.

Early Curled Simpson. 45 days. Medium large, light green; crumpled leaves. Splendid for the home garden.

Grand Rapids. 43 days. One of the most popular loose leaved varieties. Excellent for early planting outside, and for greenhouse forcing.

Resistant Grand Rapids. 43 days. Resistant to the tip burn which often affects lettuce grown under glass. Has a tendency to produce heavy loose heads.

Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

Prizehead. 47 days. A crisp variety and fine for home gardens as it grows quickly, making a lot of good eating leaves. Leaves curly, tinged red.

Paris White Cos. 66 days. Grows about 8 or 9 inches tall, is medium green and forms good, well-folded heads with greenish white interior.

Dark Green Cos. 66 days. Medium large dark green leaved variety.

Prices All Above Varieties Except as Noted—
 Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

HEADING VARIETIES

Imperial or New York Type

Developed by seed producers, the U. S. Dept. of Agr. and Experiment Stations to provide gardeners with sure crisp heading, heat resisting varieties that will hold well, ship well and give the quality demanded by the most critical. This type is shipped into the midwestern and eastern States as "Iceberg" Lettuce.

Progress. 82 days. Dark green crinkled leaves. A sure header here and tip burn resistant.

Pkt. 15c, ¼ oz. 35c, oz. \$1.20.

Pennlake. All-America Award Winner. Selected from Great Lakes, slightly smaller. Very fine quality, uniform header and slow to bolt.

Pkt. 15c, ½ oz. 40c, oz. 75c.

Great Lakes. 83 days. Home gardeners report they get fine large heads of Great Lakes even under adverse conditions. Heavy and compact.

Pkt. 15c, ½ oz. 35c, oz. 60c, ¼ lb. \$2.00.

Imperial 44. 82 days. Solid, well formed crisp heads, seldom fail to develop.

Pkt. 10c, oz. 40c, ¼ lb. \$1.25.

Cornell 456. 82 days. Heads slightly smaller than Great Lakes. Well adapted to muck soils.

Pkt. 15c, ½ oz. 35c, oz. 60c, ¼ lb. \$2.00.

OTHER LEADING VARIETIES

Bibb. 60 days. Has unusual flavor and quality. Small heads, crisp creamy yellow.

Pkt. 10c, oz. 30c, ¼ lb. \$1.00.

Big Boston. 75 days. Old favorite. Light green tinged bronze with buttery yellow hearts.

Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

Cornell 43—White Boston. 76 days. Buttery yellow heart of excellent quality. Leaves free from reddish or brown tint.

Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

Crisp as Ice. 74 days. Medium sized compact heads, deep green tinted with bronze.

Pkt. 10c, oz. 40c, ¼ lb. \$1.25.

Imp. Hanson. 80 days. Heads large, compact and tender. Leaves light green, white crisp heart.

Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

Iceberg. 84 days. For home gardeners, not to be confused with Imperial "Iceberg." Heads soft, crumpled, light green leaves tinged red.

Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50.



Hale's Best No. 36

Bender's Type Melons

Bender's Surprise. 90 days. Good sized thick oval melons averaging about 7 lbs. It is coarsely netted and ribbed with hard greenish yellow skin at maturity. The flesh is thick, bright salmon in color and of delicious quality. Can be shipped short distances.

Delicious or Early Bender. 83 days. As compared with Bender's Surprise, Delicious is smaller (averaging 5½ lbs.) a week earlier.

Iroquois. 90 days. Developed by Cornell University for resistance to wilt, so able to produce a crop in sections where others fail. In quality equal to the popular Bender's Surprise.

Schoon's Hardshell Bender's (New Yorker). 90 days. A Bender's Surprise type with extra hard rind, making it superior for long shipping and handling.

MUSKMELONS

Plant late May or June. 1 oz. plants about 100 hills.

Muskmelons like light, well enriched soil. Plant 8 to 10 seeds in a hill spacing hills in a row 3 to 4 ft. apart and the rows 6 ft. apart. When the plants come up thin to 3 to 4 plants per hill.

Hale's Best No. 36. 80 days. The earliest and most popular shipping cantaloupe. Fruits 3-4 lb. with thick, deep salmon colored flesh, aromatic and of fine quality.

Hearts of Gold. 90 days. A medium sized nearly round melon with fairly distinct ribs and heavy close netting. The orange salmon flesh is thick, sweet and spicy.

Honey Dew. 112 days. Hard, smooth, round, creamy white. Flesh light emerald green, juicy and tender with distinctive flavor.

Honey Rock (Sugar Rock). 81 days. Deep orange flesh, very thick, of delicious spicy flavor, different from all other sorts. Fruits are round, attractive, heavily netted without ribs. Good for home use and early local markets.

Pride of Wisconsin. 90 days. A cross of Honey Rock and Hearts of Gold. Orange flesh, solid and thick, with small cavity, very sweet and of fine flavor.

Rocky Ford. 92 days. A popular green fleshed variety for market and home garden, almost round, netted, delicious thick flesh.

Tip Top. 90 days. Fruit large, slightly oval, evenly ribbed and slightly netted. Flesh bright salmon, sweet and delicious. Splendid for home gardens and local markets.

Prices All Varieties Melons—Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$2.60.

MUSTARD

½ ounce will sow 100 feet of row

Used for greens like spinach. Sow seed in very shallow rows about 2' apart, thin out plants to stand 6"-8" apart. For a continuous supply make frequent plantings.

Fordhook Fancy. Bright green, plume-like leaves. Slow to bolt. Mild flavor.

Southern Giant Curled. Light green leaves, curled at edges, tinged with yellow.

Tendergreen or Mustard Spinach. A very quick growing variety ready for the table in 3 to 4 weeks from sowing. Thick dark green leaves combining the flavors of Mustard and Spinach. Resistant to heat and dry weather.

All Varieties Mustard—Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

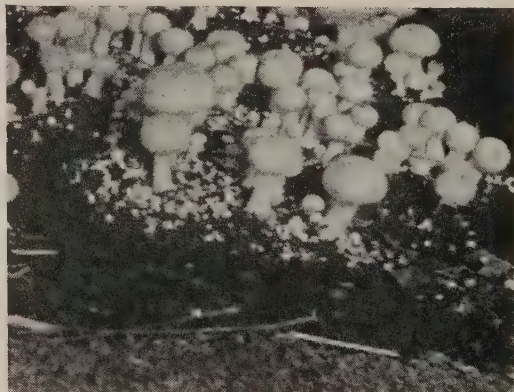
Mushroom Spawn.

Pure Culture, per bottle \$1.25.

MUSHROOM TRAYS

Grow Mushrooms right in your basement. Just keep moist. You can start gathering in 3 weeks and keep on for 2 to 3 months.

Tray \$1.85, 2 Trays \$3.50 (Delivered in Canton).



WATERMELONS

Plant late May or June. 1 oz. plants 25 hills.

Watermelons do best on light, sandy, well-drained soil which warms up early. The hills should be 6 to 8 ft. apart. Plant 10 to 15 seeds to each hill. Plant when soil is warm and thin out to 3 of the strongest plants to the hill.

Note that with descriptions we give number of days required to grow edible melons. In the vicinity of Canton it is safe to select the earlier varieties that mature in 85 days or less. For the earliest crops start seed indoors in pots or berry baskets.

Cannon Ball. 95 days. Vines vigorous and productive, fruits dark green, nearly round and large under good conditions averaging 40 lbs. Excellent all purpose variety, with firm red flesh of excellent quality.

Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

Cole's Early (Harris Early). 75 days. An early variety with medium sized, oval fruits, striped dark and light green.

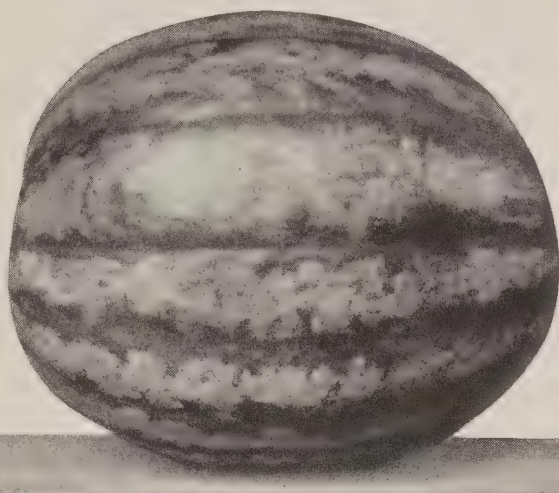
Two Fine Melons for This Section

Dixie Queen. 85 days. Fruits weight 30-40 pounds, and more round than oval, light green with dark stripes. Flesh is bright red, crisp and sweet, rind thin but tough.

Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.00.

Early Kansas. 80 days. A very prolific variety with large, nearly round fruits, bright green striped lighter green. Flesh is bright red, thick and of fine flavor.

Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.25.



Dixie Queen

Kleckley's Sweet Improved. 85 days. The finest flavored long melon. Melons are long, dark green with thin rind. Flesh is deep red, firm, and very sweet.

Stone Mountain. 80 days. A large, nearly round, rich green melon with deep scarlet flesh of delicious sweet flavor.

Sweet Heart. 85 days. Fruits are large and nearly round. Rind is light green, very tough and elastic. Flesh pink.

Tom Watson Improved. 95 days. A popular shipping variety with tough, elastic rind. Fruits long, dark green, with deep red flesh.

Winter King and Queen. 90 days. This novel melon will keep several weeks if properly stored. Flesh is crisp and sweet. Fruits round, pale yellowish green faintly striped.

Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

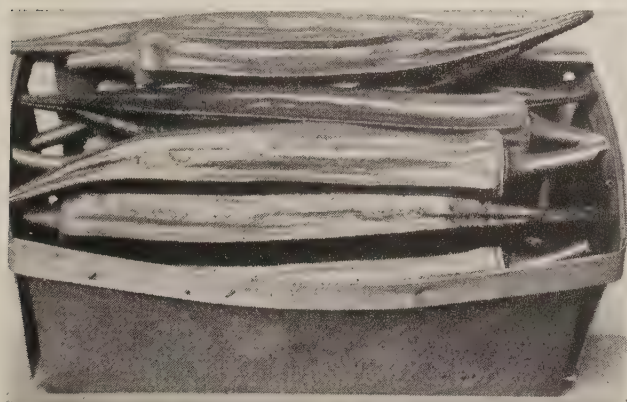
Prices All Varieties Except as Noted—Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$1.80.

HOTKAPS INSURE EARLIER AND LARGER CROPS

With the use of Hotkaps as protection against frost and other elements you can set plants out earlier—helping you to beat the neighborhood with early crops. Hotkaps are especially desirable for use with Melons, Cucumbers, and other frost tender crops.

25 Kaps with fiber setter for \$.70
 100 Kaps with fiber setter for 2.75
 250 Kaps with fiber setter for 4.65
 1000 for \$14.65; 5000 at \$14.50 per 1000.
 Steel Setter—Each \$1.95.

Above Prices are F.O.B. Canton



Okra, Clemson's Spineless

OKRA or GUMBO

1 ounce will sow 50 ft. of row

Clemson Spineless. Very uniform, rich green, long podded spineless strain. Plants medium height.

Dwarf Green Perkins Spineless. 50 days. Early and prolific dwarf variety with large dark green pods.

Louisiana Spineless Green Velvet. 58 days. Produces long 6 to 7 inch uniform pods which are smooth, spineless and retain their green color. Plants tall and vigorous.

Prices on All Varieties—Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.



Yellow Globe Danvers

Yellow Hybrid Onion Seed

Available now for the first time. A great achievement of our plant breeders. Promise bigger yields, top quality, long keeping bulbs.

See page 3 for complete description.

Early Yellow Globe. 98 days. Fine globe shape with good yellow color. Flesh is white, fine grained, excellent flavor. A good keeper for so early a variety.

Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.50.

Nebuka, Evergreen White Bunching. A bulbless bunching variety, grown for its very long, pure white stems; long standing, tender. Resistant to pink-root, thrips and smut.

Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.90.

Ohio Yellow Globe. 110 days. Bulbs are medium large, globe shaped, slightly flattened at the bottom; pure deep yellow with hard, firm flesh of good keeping qualities, mild flavor.

Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25.

Sweet Spanish, Utah Strain. 110 days. The best of the large Spanish type Onions. Its bright golden yellow color, excellent mild flavor and good keeping qualities make it very desirable.

Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.90.

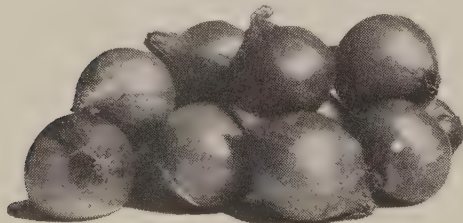
ONION SETS

Yellow Ebenezer or White Portugal
Either lb. 25c. Ask for quantity price.

Genuine Bottle

Lb. 30c. Ask for quantity price.

If wanted by mail, add 5c per lb.



ONIONS

To Produce Mature Bulbs. Sow the seed in fine, rich, well drained soil, just as early as soil can be worked, the earlier the better. Sow in rows 12 to 15 in. apart covering seed about 1/2 in. deep. 1/2 oz. will sow a 100 ft. row, 4-5 lbs. per acre. Thin plants to stand 2 in. apart. Give frequent shallow cultivation. Harvest the crop when tops break down.

For Green Onions. Sow seed more thickly and pull to eat soon as required size. The bunching type onion like Nebuka does not produce bulbs but are for green onions only.

From Plants. The largest bulbs of the Sweet Spanish type are produced by setting out early, plants shipped in from the south, or you can raise plants by starting seed indoors. For big bulbs space the plants 4 in. apart.

From Sets. The bottom sets may be used for growing "green" onions or for big bulbs. To develop big bulbs the smaller sets are used, planted about 1 in. deep, spaced 3 in. apart. For green onions plant 2 in. deep and 1 in. apart.

Sweet Spanish, White. 110 days. Largest white onion, with clear white globe shaped bulbs and firm mild flesh. Fair keeper.

Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.90.

Southport Red Globe. 110 days. Medium size, round, very deep purplish red. Flesh pinkish, of strong flavor.

Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25.

Southport White Globe. 110 days. The standard white main crop onion. Bulbs round, pure white, flesh waxy white, fine grained and mild.

Pkt. 10c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.90.

Southport Yellow Globe (Brigham Strain). 109 days. A late sort, valued because of its superior keeping qualities. Globe-shaped and solid, creamy white flesh, fine-grained and mild.

Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25.

White Lisbon. 75 days. Used almost exclusively as an early white bunching onion, although it does develop fairly large round bulbs.

Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.50.

White Portugal (Silverskin). 100 days. The most widely used white onion. All-purpose variety, for sets, pickling, green bunching and storage. Bulbs medium size, thick-flat, clear white, fine grained and mild.

Pkt. 10c, 1/2 oz. 30c, oz. 50c, 1/4 lb. \$1.50.

Yellow Globe Danvers. 110 days. A very popular medium size, hard globe shaped onion. Skin pure yellow, flesh white, firm, solid, crisp and of excellent flavor. Good keeper.

Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25.

PEANUTS

Improved Virginia Jumbo. A large prolific and easily grown variety.

Improved Spanish. A rather small early variety, of superior sweetness and flavor.

Either—Pkt. 10c, 1/2 lb. 35c, lb. 60c.

PEPPERS

One ounce will produce 1,000 to 1,500 plants.

Sow the seed in hotbed or window box about March 1. Transplant to the open ground when all danger of frost is past. Set plants in rows 3 ft. apart, 2 ft. apart in the row. An application of fertilizer made when the plants are about 6 to 8 inches higher is very beneficial.

New Golden California Wonder. See page 3.

California Wonder. 75 days. Most popular of all mild peppers. The plants are vigorous and productive. Fruits are mostly 4 lobed upright, very attractive, smooth and uniform. Deep green changing to crimson. The flesh is very thick, sweet, and mild. Pkt. 10c, 1/2 oz. 45c, oz. 85c, 1/4 lb. \$2.60.

Early Calwonder. 69 days. An early strain of California Wonder especially valuable when a week means extra money. Fruits slightly smaller but just as desirable and extremely uniform. Pkt. 10c, 1/2 oz. 45c, oz. 85c, 1/4 lb. \$2.60.

Golden Queen. 78 days. A large yellow variety of sweet and mild flavor. Fruits 3-lobed, tapered, deep green changing to yellow. Pkt. 10c, 1/2 oz. 45c, oz. 85c, 1/4 lb. \$2.60.

Hungarian Wax. 65 days. An early, hot sort. Plants dwarf and medium, slender, smooth, tapering fruits. Fruits waxy yellow changing to crimson. Pkt. 10c, 1/2 oz. 45c, oz. 85c, 1/4 lb. \$2.60.

Hungarian Short Rainbow Wax. 60 days. A shorter blockier type not as hot as Hungarian Long, and known also as Bulgarian or Roumanian. Upright fruits of waxy yellow color changing to bright red when ripe. Our own select stock. Pkt. 15c, 1/2 oz. 55c, oz. \$1.00, 1/4 lb. \$3.00.

Hungarian Sweet or Banana. 65 days. A mild sweet strain of the Long Hungarian type. Pkt. 15c, 1/2 oz. 55c, oz. \$1.00, 1/4 lb. \$3.00.

Long Red Cayenne. 70 days. A hot pepper about 5 inches long. Fruits narrow, tapering, often twisted, changing to red. Pkt. 10c, 1/2 oz. 35c, oz. 65c, 1/4 lb. \$2.25.



PARSNIP

1/2 ounce
will sow a
100 ft. row.

Sow as early in the spring as weather will permit, in drills 18 inches apart and 1/2 inch deep, in a rich, deep soil; thin out to 3 inches apart in the rows. The quality of the roots is improved by hard frost.

Harris Model. Clear white roots without stringiness and with little core. Shorter than Hollow Crown and with wider shoulders.

Improved Hollow Crown. The most popular variety. Medium long root, broad shoulder.

Either—Pkt. 10c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.



Pepper, California Wonder

Oshkosh. 70 days. Fruits deep green, changing to canary yellow at maturity; mild, broad at stem end tapering to a blunt point. Pkt. 15c, 1/2 oz. 55c, oz. \$1.00, 1/4 lb. \$3.00.

Pimento. 73 days. Plants large, erect and prolific. Fruits heart shaped, very smooth, with thick sweet flesh. Green changing to crimson. Pkt. 10c, 1/2 oz. 35c, oz. 65c, 1/4 lb. \$2.25.

Ruby King. 68 days. Fine home and market garden variety. Fruits large, 5-5 1/2 in. long and 3-4 in. across shoulders, tapering. Flesh thick and mild. Pkt. 10c, 1/2 oz. 35c, oz. 65c, 1/4 lb. \$2.25.

Sunnybrook. A heavy yielder, early and productive. Tomato shaped, fruits are thick and sweet; brilliant red when mature. Pkt. 10c, 1/2 oz. 45c, oz. 85c, 1/4 lb. \$2.60.

Worldbeater. 70 days. Large variety valuable for Market Gardeners. Plants upright and productive. Fruit 4-lobed, green changing to red. Flesh thick and mild. Pkt. 10c, 1/2 oz. 35c, oz. 65c, 1/4 lb. \$2.25.

PARSLEY

1/2 ounce will sow 100 feet of row

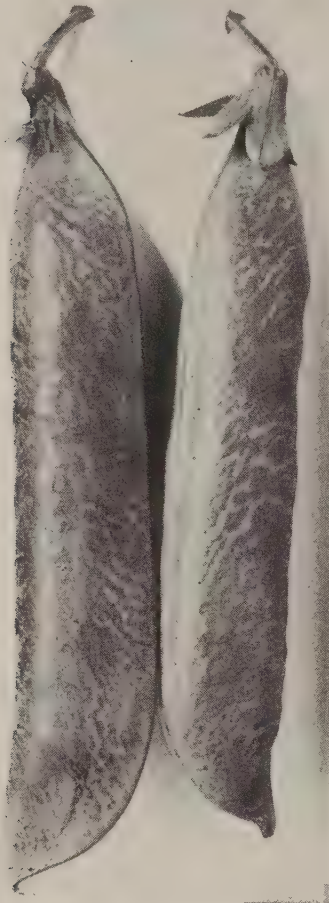
Sow the seed as early in the spring as the ground can be prepared, cover 1/2 inch deep, with the fine soil pressed firmly down, allowing 18 inches to 2 feet between rows. Thin out plants when large enough to stand 4 to 6 inches apart. Parsley seed is very slow to germinate. Some growers soak the seed in luke-warm water a few hours before sowing.

Paramount Moss Curled. A most desirable sort for market and home use. Very dark green with triple curled leaves. Tall with stout stems for bunching.

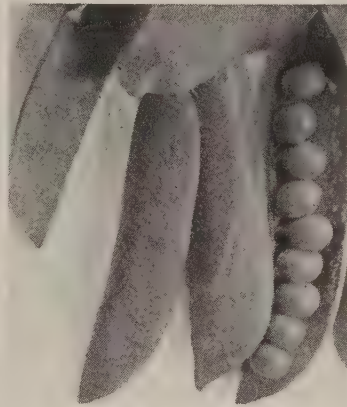
Plain. Bright green with flat leaves.

Hamburg Rooted. Forms thick, fleshy, edible roots 8-10 inches long, used for flavoring.

Price Any Parsley Variety Pkt. 10c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.



Multifold



Early Bird



Little Marvel

PEAS

Plant March thru May. 1 lb. plants 75 ft. row.

Peas are essentially a cool weather crop so make your first plantings as soon as the soil can be worked. Later plantings up to May 15th usually give a good crop if hot dry weather does not come too early. A planting in mid August can usually be depended upon to give a good fall crop. Plant the seed in trenches 2 to 3 inches deep, the later plantings even deeper, and then gradually cover as the plants grow. Space the rows 2 to 2½ ft. apart for dwarf varieties and 2½ to 3 ft. apart for tall varieties.

SMOOTH SEED, EXTRA EARLIES

Alaska. 57 days. 28 in. Pods are small but very freely borne and are well-filled with small sweet peas.

Pkt. 10c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, 5 lbs. \$1.50.

Early Bird. 61 days. 16 in. Pods are large for an early variety and are tightly filled with good sized peas. Excellent cropper.

Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75.

Early Dwarf Varieties

Little Marvel. 64 days. 18 inches. A great favorite because of high quality and because it is a sure big cropper. Pods 3 inches long, very plump and well-filled with 7 to 8 tender peas.

Notts Excelsior. 62 days. 20 inches. Pods very freely borne, average 2¾ inches long, tightly packed with 6 to 7 medium sized tender peas.

American Wonder and Premium Gem. Similar to Nott's Excelsior which we consider superior.

Early Dwarf Large Podded

Multifold. 66 days. 24 inches. A large and improved Hundredfold, blight resistant. Large deep green pods, peas of highest quality. For quick freezing, shipping or general garden use.

Laxton's Progress. 62 days. 16 inches. Largest podded of the dwarf varieties and extremely attractive for home or market garden. Pods are long (about 4½ inches), very broad, curved and pointed and contain 7 to 9 large very sweet peas.

Laxtonian Improved. 63 days. 18 inches. Beautiful large podded dwarf of excellent quality. Plants and pods are dark green, broad, slightly curved and pointed, about 4½ inches long filled with 7 to 8 large peas.

Hundredfold—Peter Pan—Blue Bantam. These varieties are similar to our Laxtonian Improved.

Early Tall Peas

Yield better if the vines are given support.

Freezonian. 63 days. 30 inches. Bred for freezing quality. This new variety is hardy and wilt resistant. Has good qualities like one parent Thos. Laxton. Heavy blunt, well filled pods.

Thomas Laxton. Improved Dark Podded Strain. 62 days. 36 in. Very valuable for home or market garden and for canning or freezing. Bears tremendously and pods are large and well filled with peas of excellent quality.

Edible Podded Peas

These varieties have all the sweetness and flavor of fresh green Peas. When the pods are partly filled, they are prepared like snap beans; when the seeds have developed, they are eaten shelled.

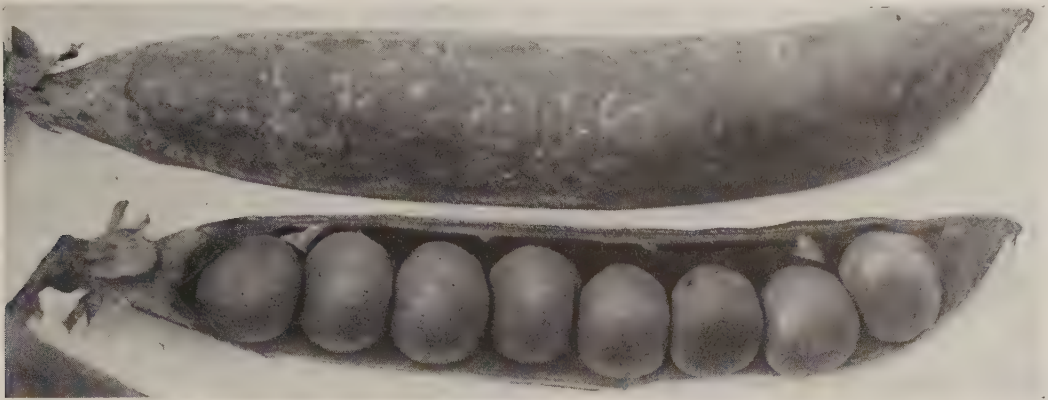
Dwarf Gray Sugar. 65 days. 28 in. Pods broad and curved. Seeds small, gray.

Mammoth Melting Sugar. 74 days. 54 inches. Large, brittle, stringless pods free from fiber. Seeds large, cream colored.

Black Eye Peas

The best of the type for northern gardens.
½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75.

PRICES—All Peas Except as Noted—Pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75



Our Alderman or Dark Podded Telephone

MIDSEASON AND LATE PEAS

Alderman, Imp. Telephone. 74 days. 60 in. Best of the late tall peas for home gardens, shipping or freezing. Resistant to wilt. Pods $4\frac{1}{2}$ to 5 inches, filled with 8 to 10 sweet peas.

Dwarf Telephone. 76 days. 24 in. A productive variety, resistant to Fusarium Wilt. Plants are light green, with curved, broad pods containing 8-10 peas of fine quality.

Everbearing. 76 days. 28 in. A long bearing variety popular for the home garden. Pods are double, light green, blunt, contain 4-5 large, sweet peas.

Asgrow No. 40. 74 days. 28 in. High quality late pea. Plants dark green, vigorous and wilt resistant. Pods long, pointed, curved at tip, containing 8 to 10 large peas. We suggest No. 40 instead of Potlatch or Stratagem.

Prices All Above Peas—Pkt. 10c, $\frac{1}{2}$ lb. 25c, lb. 40c, 2 lbs. 75c, 5 lbs. \$1.75

PUMPKIN

Plant May and June. One oz. plants 15-20 hills.

Pumpkins will grow almost anywhere, but thrive best in rich soil. Plant in hills 8 to 10 feet apart, using 8 to 10 seeds to a hill. Plant seed 1 inch deep. Later thin to 2 or 3 plants to a hill.

Small Sugar or Pie. 108 days. The best for general use. Small size, averaging about 10 inches in diameter, of excellent keeping qualities. Fruits round, flattened at ends. Flesh thick and very sweet.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Japanese Pie. 110 days. Crook-neck variety with dark green skin and lighter green markings. Used for canning or stock feed.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 55c, lb. \$1.75.

Green Striped Cushaw. 112 days. Early and very prolific crook-necked sort. Creamy white with green stripes with yellow flesh.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

Orange Winter Luxury. 100 days. An early prolific variety for the home garden. Fruit somewhat larger than Small Sugar, round, slightly flattened, deep orange color. Flesh is deep orange, thick, and very sweet.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

King of Mammoth. 120 days. The largest of all pumpkins. Grown chiefly for stock feeding and exhibition purposes. Fruits are round, slightly ribbed, light yellow mottled with orange.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 55c, lb. \$1.75.

Connecticut Field. 118 days. A cornfield variety. Large round, orange fruits with flattened ends. Used for pies or stock feed.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Small Sugar Pie Pumpkin



White Icicle



Sparkler



Scarlet Globe, Short Top

RADISH

Make several plantings, early and late. 1 oz. sows 100 ft. row.

Radishes should grow quickly which means a rich not too heavy soil. Do not use manure as fertilizer. Make first plantings as early as soil can be worked fine and plant more at 10 day intervals for a succession. Early varieties reach edible stage in 4 to 5 weeks. Plant in rows 12 to 18 inches apart covering about ½ inch and thin out to stand 1 inch apart.

New Radish—Cherry Belle

An All-America Winner. Early round, short topped radish of the brightest scarlet. See illustration on Page 3.

Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$1.80.

Cavalier. 23 days. A short topped somewhat elongated or olive globe type. Roots uniform and deep scarlet. Favorite for market.

Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.60.

Crimson Giant. 28 days. Grows twice the size of other forcing varieties, and stands longer without becoming pithy.

Early Scarlet Globe. 23 days. Most popular of all. Roots are globe-shape, slightly oblong, uniform, in size, shape, and attractive bright scarlet color; flesh white, crisp, tender and mild.

French Breakfast. 25 days. Olive shaped about 1½ inches long, deep scarlet with white tip.

Long Scarlet, Short Top. Roots smooth, uniform, 5-6 inches long, tapering, with crisp flesh.

Prices All Varieties Except as Noted—Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.35.

Sparkler (Scarlet Turnip White Tip). 26 days. Very attractive and popular. Almost globe shaped; carmine-red with distinct white tip; tender flesh.

White Icicle. 27 days. Finest and earliest long white variety, waxy white, brittle, mild and delicious flavor; retains its good qualities long after maturity.

Winter Varieties—Sow in August

Chinese Rose Winter. 52 days. Large size, blunt at both ends. Skin deep rose, flesh crisp, slightly pungent.

Chinese White Winter. 60 days. Larger and milder than Chinese Rose.

Long Black Spanish. 58 days. Roots 7-8 inches long, 2-3 inches thick at shoulder. Skin black, flesh white, firm and very pungent.

Round Black Spanish. 56 days. Roots globe shaped, 3-4 inches in diameter, skin black, flesh white.

Prices All Varieties Winter Radish—Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.60.

SPECIAL FORCING OR MUCK GROUND STRAINS OF RADISH

Short Top Special Scarlet Globe. 23 days. Roots uniformly round with short strong tops.

Short Top White Icicle. 27 days. An extra select strain.

Prices Either Above Varieties—Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. \$1.60.

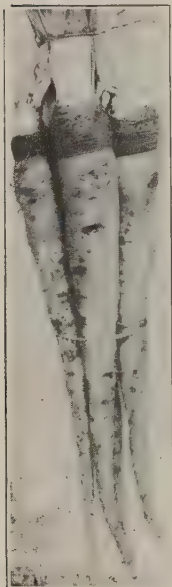
SALSIFY

Oyster Plant

Salsify is a delicious vegetable, surpassing in flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter. Sow early in spring as it requires the full season to mature.

Mam. Sandwich Island. Long, smooth, tapering uniform roots of delicate flavor.

Pkt. 10c, ½ oz. 30c, oz. 50c.



SWISS CHARD

One ounce to 100 ft. of row.

Sow early in spring in rows 18 inches apart and thin out to stand 8 inches apart in the row. The larger outer leaves are removed for use, and if too many are not taken at one time, the plants will continue to bear until late fall. The leaves are cooked like spinach. The thick mid ribs are excellent served like Asparagus.

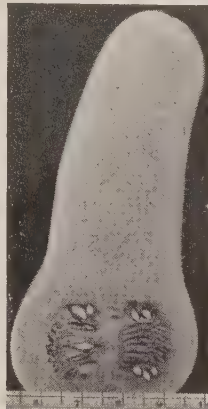
Lucullus. 50 days. Thick crumpled light green leaves with pale green thick stems and midribs. Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

Rhubarb Chard. New attractive variety with deep green very crumpled leaves and crimson stem and ribs.

Pkt. 10c, oz. 25c, ¼ lb. 75c.



Table Queen



Butternut

Improved Hubbard
Our Strain is Very Fine

SQUASH

Plant late May and June.

Summer or Bush varieties 1 oz. to 100 hills.

A good rich sandy loam is best. Plant when soil is warm and frost danger past. Summer varieties plant in hills 3 to 4 ft. apart each way. Plant 8 to 10 seeds per hill, thinning out to 3 good plants.

SUMMER OR BUSH VARIETIES

The Italian Marrow Type

These varieties are especially delicious when used in the "baby stage." Slice and fry them when small to appreciate their best flavor. When kept picked the vines bear all season.

Cozini. 48 days. Early and very prolific new variety with straight smooth, dark green fruits. Flesh firm, remaining edible over a long period. Has fine cooking quality and flavor.

Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.40.

Black Zucchini. 62 days. Fruits are cylindrical, long, smooth, dark green-black; flesh greenish white at eating stage and of good flavor.

Cocozelle, Long. 65 days. Fruits long, cylindrical, and are best for the table when 6-8 inches long. Skin dark green changing to stripes of green and yellow as it ripens. Flesh thick, greenish white and good flavor.

Standard Summer Varieties

Yankee Hybrid. 50 days. Produces edible size squash earlier than any other variety and gives an excellent total yield. Clear waxy yellow, similar in size and appearance to Early Prolific Straight-neck. Very good quality.

Pkt. 15c, 1/2 oz. 35c, oz. 65c.

Early Prolific Straightneck. 50 days. A very attractive strain, straight, early and very prolific. Fruits usable from the time they are 5 or 6 in. long until full grown at about 14 inches. Light yellow and smooth.

Early Yellow Summer Crookneck. 52 days. A fine summer variety, very prolific.

Early White Bush Scallop (Patty Pan). 52 days. An old favorite. Fruits creamy-white, round, flat and scalloped.

Prices All Summer Squash Except as Noted—
Pkt. 10c, oz. 20c, 1/4 lb. 65c, lb. \$2.00.

WINTER OR VINING VARIETIES

2 ounces will plant 25 hills. Space hills 6 to 8 ft. apart each way.

Uconn. An All-America Winner for 1950. For full description please see page 3.

Butternut. 90 days. Many consider this the finest quality of all squashes. Flesh is dry and sweet and considering the size the edible portion is large, a small seed cavity in the bulb end only.

Pkt. 15c, oz. 40c, 1/4 lb. \$1.25, lb. \$3.75.

Acorn or Table Queen. 58 days. Fruits 6-8 inches in diameter. Sides ridged. Skin deep green. Flesh deep yellow, thick, dry and sweet.

Royal Acorn. 60 days. Fruits average a third larger than regular Acorn.

Green Delicious. 102 days. Top-shaped fruits, 7-8 lb. Skin dark green, with light green stripes toward blossom end; flesh orange, dry, of good flavor. An excellent keeper.

Golden Delicious. 100 days. Fruits similar to green in shape and size but golden orange in color. Flesh very thick, sweet and dry.

Blue Hubbard. 110 days. Large, round, and pointed at both ends. Flesh yellow-orange, thick, said to be the best of the Hubbards in eating quality.

Green Hubbard, Improved. 105 days. Standard winter variety. Skin dark bronze green, slightly warted. Flesh bright orange yellow, dry, sweet and very thick.

Golden Hubbard. 100 days. Skin is orange red and heavily warted. Flesh deep golden yellow, fine grained and sweet. Very desirable.

Price Winter Varieties, Except Butternut, Pkt. 10c, oz. 25c, 1/4 lb. 75c, lb. \$2.25.

RUTABAGA or SWEDE

Rutabagas are best grown in cool weather, planted in the same manner as turnips, for fall use, but about 2 weeks earlier, in July.

American Purple Top Yellow. 90 days. The most popular variety for home or market gardens. Roots are large, globular, yellow with purple top. Flesh light yellow, firm, and of good quality.

Pkt. 10c, oz. 15c, 1/4 lb. 35c, lb. \$1.00.



Spinach, Bloomsdale Type

TURNIP

One ounce to 150 ft. of row.

1 lb. to the acre in drills, 2 lbs. broadcast.

For succession sow at intervals from April until the last week in May. For fall and winter crops sow in July or August, in drills or broadcast.

Snowball. 40 days. Medium sized, round, white crisp root. Reaches edible size quickly.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

Purple Top White Globe. 57 days. The most popular variety for home and market gardens. Roots large, smooth, globe, white with purple top.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Purple Top Strap Leaved. 46 days. A medium early variety with flattened roots.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

Seven Top. Grown for the greens which are very tender, and for forage.

Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

TOMATOES FROM SEED

One ounce of seed will produce 2,500 plants.

Tomato plants are usually set into the garden in late May or June. Earlier plantings are exposed to the danger of late frosts although protection by the use of Hotkaps is good insurance. Some gardeners prefer to take a chance on the frost in order to get some extra early tomatoes. It requires about 8 weeks from seed to produce plants large enough to set in the field. March is the usual time to start seeds in hotbeds or window boxes indoors. When 2 inches high transplant to flats 4 inches apart or in 3-inch pots. Transplant to open ground when danger of frost is past spacing 3 to 4 feet apart. Trained to stakes the fruits are of better quality and appearance and ripen earlier and more uniformly.

SPINACH

One ounce sows 100 ft. of row. 10 lbs. per acre.

Spinach does best in the cool months and in rich moist soil. Make first sowing as soon as the soil can be prepared, repeat at 10 day intervals to May 15th for a succession. For fall use sow in September. Sow in rows about a foot apart, cover one inch and thin to stand 6 inches apart in the rows.

Bloomsdale, Extra Dark Green. 40 days. The Bloomsdale strains are all vigorous, hardy, fast growing varieties with desirable thick crumpled leaves. This is an extra dark green selection very attractive for market.

Bloomsdale, Long Standing. 42 days. Though only a couple of days later, this strain holds for 10 days longer before going to seed.

King of Denmark. 46 days. Large plants with broad, slightly crumpled, dark green leaves. Popular for spring planting, being slow to bolt. Desirable for canning.

Nobel Giant Thick Leaved. 45 days. Best of the smooth, thick leaved sorts. Plant vigorous and spreading, heavy yielding and slow to go to seed.

Old Dominion. 40 days. Thick crumpled leaves similar to Bloomsdale Savoy, with long standing characteristics of King of Denmark. Blight resistant, heavy yielding. Excellent for fall crop or for spring crop from fall planting.

Virginia Savoy, Blight Resistant. 40 days. Improved strain with deeper green, thickly crumpled leaves. Upstanding vigorous plants which make harvesting easier. Valuable for Mosaic infested soil.

Prices All Above Varieties—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

New Zealand, Tetragonia. 70 days. Not a true spinach but its small pointed leaves when cooked have the flavor of spinach. Thrives in summer without going to seed and forms new leaves after picking. Soak seed before planting.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.



Turnip, Purple Top White Globe

TOMATOES

One oz. produces 2000 to 2500 plants. See preceding page for suggestions on starting seed.

THE BEST NEW TOMATOES

Sioux, New Extra Early Red

Sioux gives you fruit to eat or sell in 70 days and the whole crop is ready very uniformly. It is of medium size, nearly globular, thick walled and practically free from hard core. Excellent flavor. The best if you want "first earlies" for your own table, and of course gets early market prices.

Pkt. 15c, 1/4 oz. 40c, 1/2 oz. 70c, oz. \$1.20.

Tomato Wisconsin No. 55

Early, but not "extra" early, it is a tremendous yielder beating such well-known varieties as Stokesdale and John Baer. It is larger and heavier also, and in table quality is comparable to Rutgers which is recommendation enough. A large portion of the fruit are No. 1 grade as they seldom crack and are quite resistant to blossom end rot.

Pkt. 15c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.10.

EARLY RED VARIETIES

Listed in order of earliness.

Victor. 66 days. Valuable extra early, especially for market, as the crop ripens largely at the same time. Plants open. Fruits bright scarlet.

Earliana Improved. 66 days. Bred for thicker, smoother fruits.

Break O' Day. 70 days. Fruits medium large, meaty and globe shaped. Has considerable resistance to wilt and nail-head rust. Open spreading plants.

Scarlet Dawn. 70 days. Fruits are medium large with thick walls, globular, smooth, ripening well to the stems.

Valiant. 70 days. Fruit large for an early variety, globe-shaped and ripens up well. Very valuable for early market. Plants open and spreading.

Bonny Best. 73 days. Fruits medium size, smooth, and excellent quality.

Stokesdale. 73 days. A prolific, widely adapted variety, very solid and brilliant red.

Prices All Above Varieties—Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c, oz. 75c.

MAIN CROP AND LATE REDS

Pritchard. 76 days. Fruits are good size, smooth, solid with thick walls. Plant self-topping, resistant to Fusarium wilt and rust.

Pkt. 10c, 1/4 oz. 20c, 1/2 oz. 35c, oz. 60c.

Marglobe Certified. 77 days. Very popular main crop variety for shipping, canning, and home garden. Fruit medium large, globe shaped, smooth, solid with thick walls. Flavor mild with little acid. Resistant to disease.

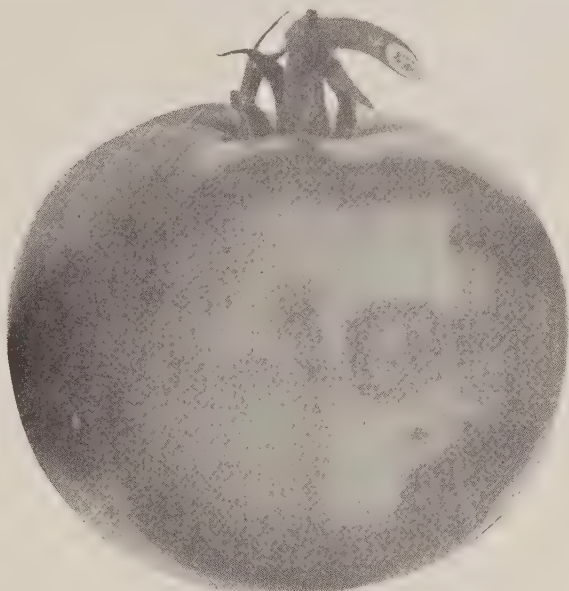
Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c, oz. 75c.

San Marzano. 80 days. A small fruited Italian variety with very mild flavor. Largely used for canning, puree and preserves.

Pkt. 15c, 1/4 oz. 40c, 1/2 oz. 75c, oz. \$1.40.

Greater Baltimore. 82 days. Large, thick-flat, deep red solid smooth fruits. Heavy yielder.

Pkt. 10c, 1/4 oz. 20c, 1/2 oz. 35c, oz. 60c.



Our Certified Marglobe

Certified Rutgers. 86 days. A heavy cropper. Fruits globular, bright red, smooth, with thick walls and small seed cells. Ripens from the inside out. Fine flavor with low acid content.

Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c, oz. 75c.

Stone Improved. 86 days. Fruits large, flattened but deep, smooth, attractive, of fine flavor.

Pkt. 10c, 1/4 oz. 20c, 1/2 oz. 35c, oz. 60c.

Beefsteak. 90 days. Popular home garden main crop scarlet variety. Fruits extra large, flattened and fine quality. Contains few seeds.

Pkt. 15c, 1/4 oz. 40c, 1/2 oz. 75c, oz. \$1.40

PINK OR PURPLE VARIETIES

Italian—Non Acid. 80 days. This is the genuine large deep meaty fruited tomato with very few seeds and practically no acid in its flavor. We produce our own seed of this strain and it's good.

Pkt. 20c, 1/8 oz. 55c, 1/4 oz. \$1.00, oz. \$3.00.

Oxheart. 90 days. Large heart shaped fruits, very solid and meaty, mild, with very few seeds.

Pkt. 15c, 1/4 oz. 50c, 1/2 oz. 90c, oz. \$1.75.

Ponderosa. 88 days. Most popular of the large late pink varieties. Fruits very solid, somewhat rough, with tendency to crack, few seeds and of inviting mild flavor.

Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 70c, oz. \$1.20.

Yellow Fruited Variety

Jubilee. 72 days. The best yellow. Fruits are bright orange-yellow, globular, thick-walled, with few seeds. Flavor is somewhat mild but not flat.

Pkt. 15c, 1/4 oz. 40c, 1/2 oz. 70c, oz. \$1.20.



Growing Annual FLOWERS FROM SEED

Every home gardener can grow Annuals successfully, most kinds with very little difficulty and without special treatment. And annuals are very generous in the quantities of flowers they provide, both for cutting and for garden display.

When to Sow . . . Annuals

Annual Flowers are usually classified in three groups as to hardiness which of course means the amount of cold weather or frost they can stand. That in turn decides the dates at which it is safe to sow in the outdoor garden.

Of course sowing dates will vary with the season, also the location and type of soil.

Hardy Annuals

The seeds of these varieties and the plants themselves will stand cold soil and frosts. In fact some germinate better when cool.

Alyssum — Anchusa — Antirrhinum — Calendula — Calliopsis — Candytuft — Centaurea Cyanus and Gymnocarpa — Clarkia — Cleome — Convolvulus — Cosmos — Dianthus — Eschscholtzia — Euphorbia Var. — Four O'Clocks — Gaillardia — Gypsophila — Hunnemannia — Kochia — Larkspur — Lupine — Pansy — Petunia Hyb. — Phlox — Poppy — Rudbeckia — Stocks — Sweet Peas.

Half Hardy Annuals

These stand some cold though not heavy freezes.

Ageratum — Asters — Browallia — Carnation — Centaurea Imperialis — Cypress Vine — Dimorphotheca — Helichrysum — Marigold — Mignonette — Nicotiana — Portulaca — Petunia — Sanvitalia — Salpiglossis — Salvia Far. — Scabiosa — Sunflower — Statice — Torenia — Verbena.

Tender Annuals

It is best not to sow the seeds in the outdoor garden until the soil is well warmed up and danger of frost is past.

Amaranthus — Balsam — Celosia — Dahlia — Chrysanthemum — Gourds — Lobelia — Nasturtium — Ipomea — Ricinus — Salvia Splendens — Schizanthus — Tithonia — Zinnia.

Starting Seed Indoors

To prolong the season of bloom many of the types that take a comparatively long time to develop are started indoors for setting outdoors when weather is suitable. Generally speaking the seeds are sown 6 to 8 weeks before planting outdoors. The time of starting depends upon the equipment you have to work with. With a small greenhouse you can of course accomplish more than you can with a few boxes in a south window. Some of the long season varieties, usually started inside, are Antirrhinum — Aster — Dahlia — Annual Carnations — Lobelia — Salvia — Verbena.

Soil Preparation

Proper preparation of the seed bed is very important as well as the time of sowing. It is difficult to germinate seed in heavy clay soil so if you have a choice, select locations with sandy loam soil, or lighten up the clay by digging in quantities of peat moss, strawy manure, sand, or even ashes, all materials which tend to loosen up soil so that it does not bake and is much easier to cultivate.

Peat Moss is of great value in all flower gardens. Worked in, it lightens heavy soil and makes sandy soil much better able to hold moisture. A 2 or 3 inch layer of Peat Moss used as a summer mulch will result in better flowers and plant growths by holding the moisture in the soil during dry spells and keeping down weed growth, and it also gives your flower beds a neat, clean appearance.

Hardy Annuals for Fall Sowing

This is done late in the fall just before the ground freezes. The seeds lay dormant over winter making a very early start in the spring. Work the soil fine, just as you would in the spring, sow the seed and after the ground freezes mulch the bed with a layer of straw or peat moss simply to prevent alternate freezing and thawing during the winter. Right over bulb beds is one good place to make fall sowings of early flowering annuals.

Alyssum — Anchusa — Antirrhinum — Balsam — Calendula — Calliopsis — Candytuft — Centaurea Cyanus — Clarkia — Cosmos — Eschscholtzia — Four O'Clocks — Gaillardia — Gypsophila — Kochia — Larkspur — Nigella — Small Flowering Petunias — Shirley Poppy — Phlox — Portulaca.

Annuals for Semi-Shade

Alyssum — Balsam — Candytuft — Centaurea — Clarkia — Coleus — Cynoglossum — Mignonette — Nicotiana — Pansy — Petunia — Verbena.

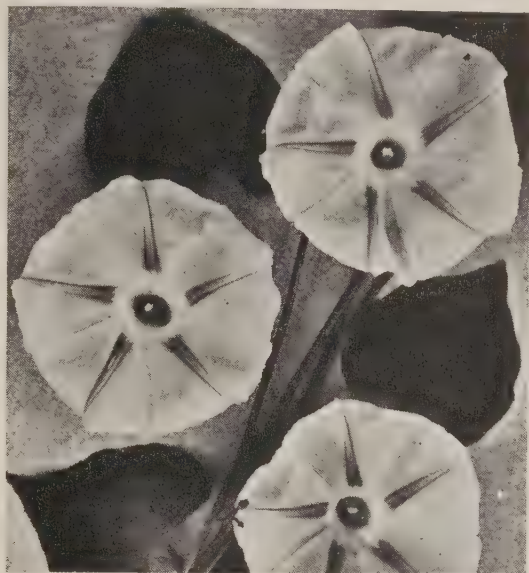
Three excellent Perennials for semi-shade are Aquilegia, Forget-Me-Not and Viola.

Annuals for Poor Dry Soil

African Daisy — Balsam — California Poppy — Celosia — Calliopsis — Cleome — Four O'Clocks — Gaillardia — Kochia — Marigold — Nasturtium — Petunia — Poppy — Portulaca — Sweet Sultan.

Pick Flowers Frequently

With Annuals it seems that the more you pick, the more flowers are produced. When flowers fade and start to go to seed they take the strength out of the plants and flower production thereby suffers. If you want the flowers for garden display, at least snip off wilted blooms. The bed will be more profuse and cleaner looking.



Ipomea, Blue Star



Petunia, Silver Medal

NEW FLOWERS FOR YOUR GARDENS

Beautiful New Petunias

1014 FIRE CHIEF—NEW RED PETUNIA

All-America Gold Medal for 1950

Undoubtedly the best new flower variety introduced for many years. Imagine the effect of a really red Petunia in big beds or long borders or even in a group of a few plants. It's bright, it's colorful and it stays in full flower all summer and early fall.

Good compact plants with flowers of an excellent bedding size. Pkt. 25c, $\frac{1}{64}$ oz. \$1.00.

1015 Silver Medal Salmon

Winner of a Silver Medal in All-America trials. Experts who judged the 1948 trials of this Petunia call it the richest and purest salmon pink ever introduced. A good Petunia of that shade has been lacking, now you can have it. Dwarf compact plants covered with medium sized blooms. Blooms early and continues all summer. Pkt. 50c.

1016 Snowball Improved. The finest white bedding Petunia with glistening pure white, well rounded flowers on dwarf plants that retain their compact growth throughout the summer.

Pkt. 20c, $\frac{1}{32}$ oz. 60c, $\frac{1}{16}$ oz. \$1.00.

988 Dwarf Ruffled Garden Giants. The big ruffled blooms do not quite match the size of the Giants of California, but they are close to it and are so much freer blooming that they are far superior for outdoor bedding. Gorgeous colors in mixture only, richly throated and veined.

Pkt. 25c, Large Trade Pkt. \$1.25.

440 Cosmos, Radiance

1947 Silver Medal Winner. An entirely new color for Cosmos, deep rose with a well-defined zone of crimson at the base of the petals. It belongs to the early flowering Cosmos and is free blooming throughout a long season.

Pkt. 10c, $\frac{1}{16}$ oz. 25c, $\frac{1}{8}$ oz. 45c.

63 Giant Tetra "Snaps"

The most satisfactory Snapdragon or Antirrhinum for outdoor growing because of the strong, vigorous plants and the large florets and flower spikes. The mixed colors cover the whole range of "Snap" shades. Pkt. 20c, $\frac{1}{16}$ oz. 75c.

907 Morning Glory (Ipomea) Blue Star

Another All-America Award Winner for 1949. It is a clear sky blue with deeper color mid-ribs, forming a distinct blue star. It is a vigorous vine and very free flowering. A few plants climbing on the garage or over a fence will be a grand sight.

Pkt. 15c, $\frac{1}{8}$ oz. 40c, $\frac{1}{4}$ oz. 70c.

877 Marigold, Eldorado

This clear canary yellow is the shade so many want these days. There is no prettier combination than this light yellow planted with blues, such as blue Petunias or Ageratum. Dwarf plants 10 to 12 inches high with long blooming season, starting early. Pkt. 15c, $\frac{1}{8}$ oz. 50c.

1171 Salvia—St. John's Fire

Salvia is coming very strongly back into popularity. In many locations the dwarf type is much preferred. St. John's Fire is only a foot tall, real bushy and the earliest Salvia to display its fiery red bloom.

Pkt. 25c, $\frac{1}{8}$ oz. \$1.50.

Sweet Peas, Cuthbertson

One of the most valuable flower introductions of many years, as with this strain it is much easier for the home gardener to grow good Sweet Peas and to have them well into the summer when the older types fade out. Grand large, sweet scented flowers on long stems.

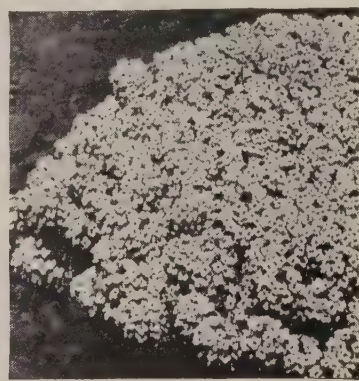
1260 Cuthbertson Mixed. Pkt. 10c, oz. 35c.



Anchusa, Blue Bird



Ageratum, Midget Blue



Alyssum, Carpet-of-Snow

Letherman's Flower Seeds are of the highest quality, the same fine strains that we give the most critical Florist Growers. Think what that means in your garden.

Plant Liberally of Letherman's ANNUAL FLOWER SEEDS

**FOR BORDER DISPLAY—FOR BEDDING—FOR CUTTING
FOR EDGINGS—FOR ROCK GARDENS**

Annuals are very generous. The more you cut, the more the plants give.

On a preceding page we give you some suggestions regarding the culture of Annuals, times of planting, different groups, etc. They are easily grown for the most part. The most important step is proper preparation of the soil and we want to mention here two materials that will help very much to improve the quality and quantity of your flowers.

PEAT MOSS and VERMICULITE

They are not fertilizers, but their use makes fertilizer much more readily available to the plants. They hold moisture to the benefit of plants. They lighten heavy soils. They make light sandy soils more retentive of moisture so they do not dry out so quickly. See Pages 52 and 53 for prices on these items and all plant foods.

Here is Our List of Annuals. Pages 40 to 43 Offer Perennials.

Ageratum (Floss Flower)

Most popular dwarf blue flowering plants for edgings or borders. Easily grown in any fair garden soil. Excellent for rock gardens.

16 Midget Blue. Finest real dwarf variety. Compact plants only 3 to 4 inches high, covered with soft azure flowers.

Pkt. 20c, 1/16 oz. 80c.

18 Blue Perfection. Bushy plants 15 to 18 inches tall with good sized deep blue flowers. For the taller edging. Stems long enough for cutting.

Pkt. 10c, 1/8 oz. 50c.

19 Blue Ball Improved. Uniformly about 5 inches tall with good sized soft blue flowers.

Pkt. 15c, 1/16 oz. 60c.

Anchusa

Often called Annual Forget-Me-Not.

54 Blue Bird. New strain of compact growth, 18 inches high. Indigo blue flowers.

Pkt. 10c, 1/4 oz. 30c.

Alyssum

The indispensable annual for borders and edgings. Grows well in practically any soil. Likes full sun.

28 Carpet-of-Snow (Procumbens). An excellent strain, very dwarf, each plant a flattened mantle of white.

Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c, oz. \$1.00.

24 Lilac Queen. Delicate lilac tinted bloom, the color deepening in cooler weather. Quite dwarf and compact.

Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c, oz. \$1.00.

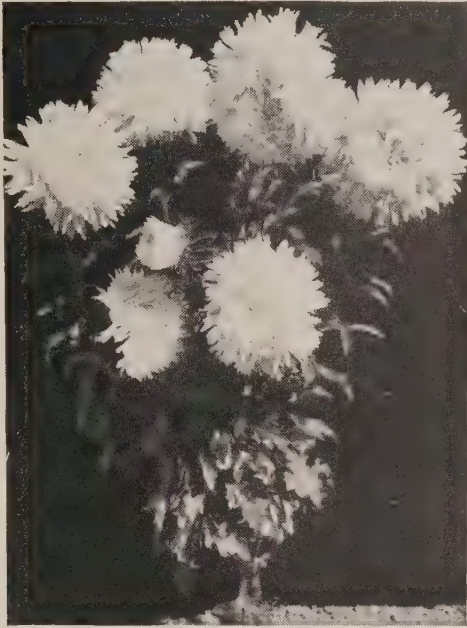
25 Sweet White. The original Sweet Alyssum, semi-trailing, so nicely suited for hanging baskets and porch boxes, as well as borders.

Pkt. 10c, 1/4 oz. 25c, oz. 75c.

30 Violet Queen. New variety with very attractive clear violet blue flowers. Dwarf and compact in growth.

Pkt. 10c, 1/8 oz. 30c, 1/4 oz. 50c, oz. \$1.50.

Please see Page 24 for Suggestions on Growing Annuals.



The Super Giant Type

FINE ASTERS

Start Aster Seed in March or early April indoors for plants to set out in May. For late summer and fall bloom sow seed in the garden when the soil is warm. Work the soil fine and transplant the seedlings when they are large enough to handle easily.

It is better not to grow Asters on the same plot year after year, but change their location each season. Watch Asters closely for insects and spray accordingly. The insects spread disease.

Super Giants

The largest and most fully double Asters known. The flowers are almost like chrysanthemums with long graceful petals.

- 102 **El Monte.** Glowing crimson.
 100 **Los Angeles.** Shell pink.
 103 **Santa Maria.** Glistening white.
 Any Above Pkt. 15c, $\frac{1}{16}$ oz. 40c, $\frac{1}{8}$ oz. 70c.

California Giants

Very large flowers with broad graceful curled and interlaced petals. Long heavy stems on plants 3 feet high. Fine for cutting.

- 186 **California Giant Mixed.** Pkt. 15c, $\frac{1}{8}$ oz. 60c.

Princess Asters—Wilt Resistant

A very attractive new form, the flowers having a full crested center, surrounded by several rows of plume-like guard petals. Plants 2-2½ ft. tall, branching habit with good stems. Blooms in August.

- 197 **Princess Mixed.** Beautiful soft shades of peach, orchid, salmon, rose and yellow crested.
 Pkt. 15c, $\frac{1}{16}$ oz. 40c.



American Branching Type

American Branching—Resistant

Most popular type. Robust well-branched plants, free blooming and flowers of fine form. 2½ to 3 ft. tall.

- | | | |
|------------|------------|--------|
| Azure Blue | Crimson | Purple |
| Deep Rose | Shell Pink | White |
- 174 **American Branching Finest W. R. Mixed.**
 Any Color or Mixed—Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Improved Crego—Wilt Resistant

This is the Comet or Ostrich Feather type of flower with gracefully curled and interlaced petals. Vigorous branching plants.

- | | | |
|------------|------------|---------|
| Shell Pink | Blue Flame | Crimson |
| Deep Rose | Light Blue | White |
- 158 **Imp. Crego Finest W. R. Mixed.**
 Any Color or Mixed—Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Early Royals—Wilt Resistant

Best of the early types blooming in August. Plants branching 1½ to 2 ft.

- 126 **Royals Mixed.** Pkt. 10c, $\frac{1}{8}$ oz. 30c.

Early Beauty—Wilt Resistant

Large, full double flowers, borne on exceptionally long, strong stems. When cut, the flowers stay fresh in water for a long time. Blooming season early in September.

- 142 **Beauty Mixed.** Pkt. 10c, $\frac{1}{8}$ oz. 50c.
 108 **Heart of France Wilt Resistant.** Very popular rich red variety. Plants vigorous with many long non-branching flower stems.
 Pkt. 15c, $\frac{1}{8}$ oz. 60c.

All Types and Colors

- 190 **Letherman's Special Mixed Asters.** Made up of all Wilt Resistant Types and colors. Long blooming season both early and late types.
 Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 55c.



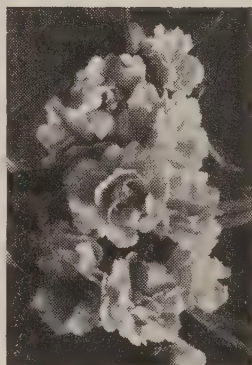
Antirrhinum Maximum

Balsam (Lady Slipper)

Old favorites for the garden. Richly colored flowers formed like small camellias or gardenias are clustered close along the stems. Easily grown, doing best in rich soil with plenty of moisture.

244 Double Camellia Flowered Mixed.

Pkt. 10c, 1/4 oz. 35c.



Balsam

Calendula

Everyone likes Calendula, one of the most useful of cut flowers. They are at their best during the cooler weather so make one sowing very early and a later one for fall bloom. Being a hardy annual Calendula seed may be sown outside as soon as soil is in workable condition.

271 Campfire or Sensation. Fine large double flower of the richest orange with scarlet sheen.

284 Orange King. Standard orange.

286 Lemon Queen. Standard lemon.

287 Gold. Golden yellow.

274 Sunshine or Chrysantha. Beautiful form, chrysanthemum flowered. In our experience Sunshine stands the heat better than others, producing more perfectly formed flowers. Clear bright yellow.

All Varieties Pkt. 10c, 1/4 oz. 35c.

288 Finest Double Mixed. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

Antirrhinum—Snapdragon

Grow Plenty of "Snaps" for Cut Flowers and Bedding

Being hardy annuals Antirrhinum Seed may be sown early outdoors in a prepared seed bed for later transplanting. Or the seed may be sown indoors. In either case pinch back the plants when they get 3 to 4 inches high to induce branching and sturdy growth.

Giant Ruffled Tetra Snaps

A new race scientifically produced and giving larger spikes holding more flowers. The plants are extremely vigorous with strong stems and the flower spikes alone is often 12 inches long with many large flowers open.

63 Tetra Mixed Colors. A grand assortment of all shades. Pkt. 20c, 1/16 oz. 75c.

Giant Maximum—Rust Resistant "Snaps"

The tallest and strongest growing, under good conditions the stems reaching a height of 2½ to 3 feet and carrying long full spikes and extra large individual flowers.

65 Bronze

67 Deep Rose

69 White

66 Crimson

68 Pink

70 Yellow

Any Above Colors—Pkt. 15c, 1/16 oz. 45c, 6 Pkts. for 75c.

64 Giant Maximum Mixed. Pkt. 10c, 1/16 oz. 35c, 1/8 oz. 60c.

72 Cherry Rose. Bright new "Snap." The name well describes this beauty, certainly a standout in any garden. Tall plants 2½-3 ft. base branching, so you get fine long stems for cutting.

Pkt. 15c, 1/16 oz. 45c.

Super Majestic—Antirrhinum

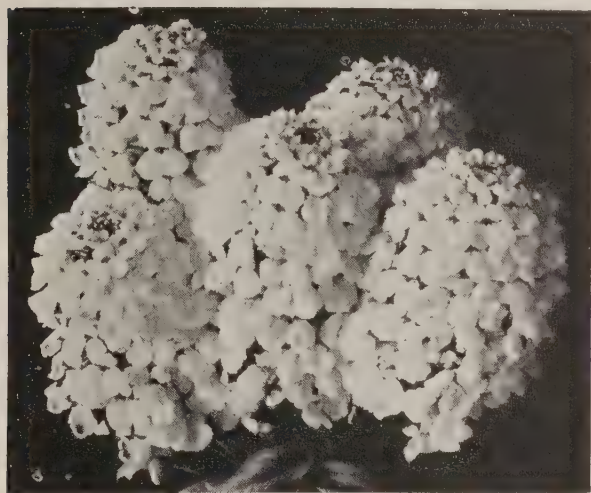
Semi-tall or dwarf type, so excellent for bedding. Large flowers equal to the Maximum group and rust resistant. 15 to 20 in. tall.

94 Super Majestic Mixed.

Pkt. 15c, 1/16 oz. 45c.



Calendula, Campfire



Candytuft, Giant Hyacinth White

Calliopsis

The Calliopsis or annual Coreopsis is a fine cut flower because of the long wiry stems and is very showy in the border. Golden Crown is semi-double, rich golden yellow with maroon center.

295 Golden Crown. Pkt. 10c, $\frac{1}{4}$ oz. 30c.

Candytuft

Another favorite edging and border plant. As the plant grows quickly we suggest you make successive plantings for fresh flowers all summer. A late fall sowing in the open will bloom the following spring.

320 Giant Hyacinth White. A special strain with extra large florets in Hyacinth form.

Pkt. 10c, $\frac{1}{8}$ oz. 20c, $\frac{1}{4}$ oz. 35c.

326 Umbellata Mixed. Flowers in umbrella form. All attractive shades.

Pkt. 10c, $\frac{1}{4}$ oz. 25c.

Canterbury Bells

Annual Type

From seed started early this annual type gives long spikes of the beautiful bell shaped blooms during late Summer and early Fall. Plants 2-2 $\frac{1}{2}$ ft. tall.

300 Mixed Colors. Pink, white, light and dark blue shades.

Pkt. 10c, $\frac{1}{8}$ oz. 40c.



Carnation, Chabaud's



Calliopsis



Ostrich Plume Celosia is Magnificent

Cardinal Climber

338 An exceptionally pretty low climber for border fencing, trellises, etc. Rich green leaves deeply lacinated, and flowers of the brightest red.

Pkt. 15c, $\frac{1}{16}$ oz. 40c.

Carnation

The Carnations are really perennials but being tender we recommend that you grow them as annuals, starting seed early inside.

344 Chabaud's Giant Double Improved. Lovely blooms almost like the greenhouse carnations.

Pkt. 15c, $\frac{1}{16}$ oz. 50c.

342 Marguerite Mixed. The carnation that is quickest to bloom after seed is sown. Nice double flowers.

Pkt. 10c, $\frac{1}{8}$ oz. 60c.

Celosia

352 Cockscomb (Celosia Cristata) Tall Mixed. Old favorite flower with large crested or comb-like heads of a plushy texture. Shades of yellow, gold, rose, and red. The heads may be dried for winter bouquets.

Pkt. 10c, $\frac{1}{8}$ oz. 30c.

356 Chinese Woolflower (Celosia Childsi). The flowers of this strain are in somewhat pointed ball shaped form. Plants nicely branching and bushy, excellent for garden display and cutting. Mixed colors.

Pkt. 10c, $\frac{1}{8}$ oz. 30c.

354 Ostrich Plume (Celosia Plumosa). The most graceful Celosia with long plume-like flower heads in very pretty color shades. Plants 2 to 3 ft. high, well-branched and bushy. Finest Mixed.

Pkt. 10c, $\frac{1}{8}$ oz. 25c.

All Annuals Bloom Better

if the flowers are snipped off as soon as they fade. It is surprising what a clean and "full of bloom" look that procedure will give your border.



Centaurea Cyanus, Fine for Cutting
 Sow Bachelor's Button Early



New Prize Winning Cosmos, Radiance

Centaurea Cyanus (Bachelor's Button)

We have extra nice, double flowering strains of the popular Bachelor's Button or Cornflower. For the finest flowers, sow the seed directly outdoors even before the frost is out of the ground or in the late fall.

- 365 Blue Boy 366 Pinkie
- 368 Snow Man 367 Red Boy
- Any Color—Pkt. 10c, 1/4 oz. 25c.
- 364 Finest Double Mixed. Pkt. 10c, 1/4 oz. 20c.
- 376 *Centaurea Gymnocarpa*—Dusty Miller. This is the quick growing Dusty Miller with finely cut silvery grey foliage. Pkt. 10c, 1/4 oz. 35c.

Centaurea Imperialis (Sweet Sultan)

Beautiful for cutting, the delicate graceful long stemmed flowers, lasting for several days in water. Flowers very artistic with fluted petals and delicately fragrant.

- 374 Finest Mixed. Pkt. 10c, 1/8 oz. 25c.

Annual Chrysanthemum

398 Daisy-like flowers in many bright color combinations of white, yellow, gold, mahogany, often bicolored and zoned. Hardy annual growing 15 to 18 inches high. Pkt. 10c, 1/4 oz. 30c.



Chrysanthemum

402 Clarkia Elegans

Lovely flowers for cutting and the garden. Does well in poor soil and shade. Sow early.

- Pkt. 10c, 1/8 oz. 25c.

407 Cleome, Pink Queen

Curiously shaped soft pink flower heads. 4 ft. bushy plants fine for backgrounds.

- Pkt. 10c, 1/8 oz. 45c.

COSMOS

Cosmos is one of the best of cut flowers and of course excellent in the garden as a background, dividing line or as a screen.

- 440 **New Radiance, All-America Winner.** A truly new color in Cosmos, deep rose with well defined crimson zone. Blooms early and continues to flower throughout the season. Pkt. 10c, 1/16 oz. 25c, 1/8 oz. 45c.
- 448 **Early Double Crested Mixed.** Shows some single and semi-double blooms. Pkt. 15c, 1/16 oz. 35c.
- 428 **Orange Flare.** The 3 ft. plants are simply loaded with the rich orange blooms until cut down by frosts. Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c.
- 429 **Yellow Flare.** A new variety of bright clear yellow, early and long blooming. Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c.
- 430 **Orange Ruffles.** Vivid orange, doubled with extra rows of petals adding to its beauty. Blooms very early. Pkt. 10c, 1/8 oz. 25c.
- 438 **Early Single Mixed.** Pkt. 10c, 1/4 oz. 25c, oz. 75c.

Cynoglossum

(Chinese Forget-Me-Not)

- 472 **Firmament.** Bushy plants 15 to 18 inches high carrying many sprays of the rich blue Forget-Me-Nots. Easily grown in most any soil, in fact it is one of the few plants that do real well on dry poor soil. Pkt. 10c, 1/4 oz. 25c.

Cypress Vine

Very pretty and dainty climber with finely cut almost fern-like foliage and myriads of star-shaped flowers of bright red or white.

- 478 **Mixed Colors.** Pkt. 10c, 1/16 oz. 30c.



Dianthus, Excellent Mixed



Four-o-Clocks



Gourds

Dahlia

These new dwarf strains grow readily from seed and bloom in 4 to 5 months from sowing. Excellent for borders or bedding.

482 Unwin's Dwarf Hybrids Mixed. Double, semi-double, and single flowers in a fine range of Dahlia colors. Plants 18 to 24 in. tall. Pkt. 15c, 1/16 oz. 35c, 1/8 oz. 60c.

Dianthus (Annual Pinks)

528 Tetra Heddensis Mixed. Finest Dianthus for general garden use with highly colored and zoned flowers 1 1/2 to 2 inches across and borne on stems better than a foot long. This mixture is the type first introduced in the gay Westwood Beauty. Pkt. 10c, 1/8 oz. 35c.

525 Letherman's Excellent Mixture. Contains all colors and shades known to pinks, both double and single flowering. Pkt. 10c, 1/8 oz. 25c.

526 Sweet Wivelsfield Single Mixed. A Dianthus Hybrid with flowers resembling Sweet Williams. A wide range of colors, bright as well as soft shades. Excellent for cutting, bedding, or borders. Pkt. 10c, 1/8 oz. 30c.

Dimorphotheca

African Orange Daisy or Star of the Veldt

A hardy annual of easy cultivation. Fairly long stemmed daisies that grow about 10 inches high.

557 Hybrids Mixed. Orange, gold, salmon, and white. Pkt. 10c, 1/8 oz. 30c.

Everlasting Mixed

596 This is made up of a great variety of the annual Everlasting or Strawflowers used for drying. Pkt. 10c.



Dimorphotheca



Annual Gaillardia

Eschscholtzia (California Poppy)

572 Aurantiaca Orange. The original California Poppy of bright orange and gold. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

582 Brilliant Mixed. White, yellow, orange, some rose and red shades. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

Euphorbia

590 Variegata, Snow-on-the-Mountain. Pretty in the garden and so useful for bouquets in combination with other flowers. Leaves rich green margined with ivory. Well-branched plants 2 ft. high. Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c.

Flower Garden Mixture

606 An interesting packet to sow because of the many surprises it will contain. Made up of lots of different kinds and colors of Annuals, most of which are nice for cutting. Pkt. 10c, 1/4 oz. 25c.

Four-o-Clocks (Mirabilis)

890 Tall Mixed. The old favorite annual for borders, hedges, etc. Bushy plants about 2 ft. high. All colors, white, red, pink, yellow, and striped. Pkt. 10c, 1/4 oz. 15c, oz. 35c.

Annual Gaillardia

611 Double and Single Mixed. Very showy border and cut flower plants, flowers in many combinations of cream, yellow, and gold with mahogany, red, and brown. Pkt. 10c, 1/8 oz. 35c.

Gomphrena (Globe Amaranth)

Novel everlasting flowers resembling heads of Clover. Bushy plants 18 inches tall.

635 Mixed. Purple, rose and silvery white. Pkt. 10c, 1/4 oz. 30c.

Gourds—Ornamental

Popular because of the decorative value of the fruits which may be preserved and kept for a long time.

646 Large Mixed. Pkt. 10c, 1/4 oz. 15c, oz. 40c.

648 Small Mixed. Pkt. 10c, 1/4 oz. 15c, oz. 40c.



Gypsophila



Helichrysum



Kochia

Gypsophila (Baby's Breath)

The Gypsophila is indispensable for bouquets with other flowers. The dainty white flowers and airy leaves and stems add beauty to any vase of flowers. Sow seed every 2 or 3 weeks.

652 Grand. White Covent Garden. The finest strain for size and abundance of the pure white flowers. Pkt. 10c, 1/4 oz. 15c, oz. 40c.

653 Carmine Rose. Pkt. 10c, 1/4 oz. 30c.

Helichrysum (Strawflower)

The most popular of all Everlastings and grown mostly for drying, though of course the flowers make attractive bouquets when fresh. Cut before centers open, and hang upside down in a cool dark place.

678 Excellent Mixed. Pkt. 10c, 1/8 oz. 35c.

Annual Hollyhock

Seed sown outdoors in April will give bloom in August.

725 Indian Spring. Very attractive semi-double fringed flowers in pink and rose shades. The plants produce side shoots prolonging the bloom. Pkt. 10c, 1/8 oz. 35c, 1/4 oz. 60c.



Larkspur

Hunnemania (Buttercup Poppy)

Quite similar in appearance to the California Poppy, but the flowers are more substantial and they may be used for cutting. Excellent bedding or border subjects. Very rich if planted in combination with a lavender or blue flower.

734 Sunlite. Buttercup yellow, semi-double. Pkt. 10c, 1/8 oz. 35c.

Kochia (Mexican Fire Bush)

746 Childsi. Very bright green bushes about 2 1/2 ft. high. Makes an excellent hedge or dividing border, the plants being very uniform in shape and size. Turns bright red in fall.

Pkt. 10c, 1/4 oz. 15c, oz. 50c.

Fine Larkspurs

Larkspurs are at their best in cool weather, so start the seed very early in the spring outdoors as it will stand cold soil and frost. The seed may also be sown in late fall for spring germination.

These are the best colors. Giant Imperials, tall, long stemmed.

767 Blue Bell. Azure blue.

769 Blue Spire. Dark blue.

771 Lilac King. Best lilac.

772 Los Angeles Imp. Deep rose.

773 Pink Perfection. Light pink.

775 White King. Finest white.

Any Variety—Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 45c.

780 Giant Imperial Mixed.

Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c.

Lobelia

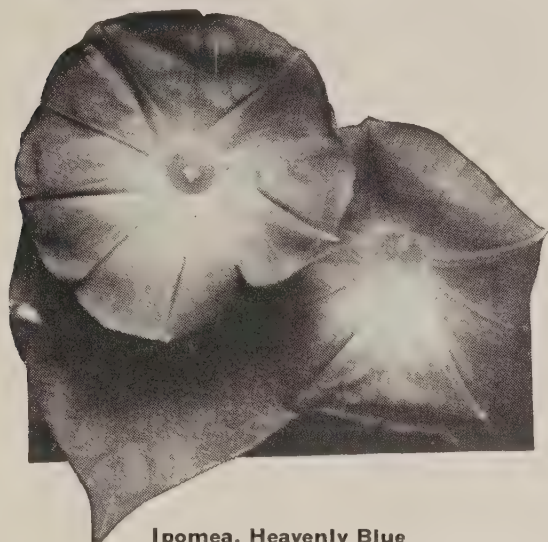
810 Crystal Palace Dwarf. Very dwarf compact variety with deep blue flowers and dark foliage. Unexcelled for edgings, ribbon bedding, etc. Pkt. 10c, 1/16 oz. 40c.

811 Cambridge Blue. Clear bright light blue with green foliage. Pkt. 15c, 1/16 oz. 50c.

Lupines—Annual

826 King Giant Mixed. Finest strain of annual Lupines with tall spikes of light and dark blue, heliotrope, rose pink and white flowers. At their best rather cool and in partial shade.

Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 45c.



Ipomea, Heavenly Blue

Morning Glory and Ipomea

Pretty Climbing Vines

There are so many places where a quick growing annual vine just fits into the picture. For the longest season of bloom start seed early indoors, transplanting out when soil is warm. Soak the seed in water for several hours before planting to soften the hard shell. Ipomeas bloom best on rather dry soil not too rich.

907 Blue Star, New Giant Ipomea. An All-America Winner. Sky blue with 5 deeper blue midribs to form an attractive star. Flowers are larger and bloom earlier than the popular Heavenly Blue and are very freely borne, remaining open even in the afternoon of cloudy days.

Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 70c, oz. \$2.00.

910 Heavenly Blue Imp. Most beautiful of all Ipomeas, a lovely shade of blue.

Pkt. 10c, 1/4 oz. 20c, oz. 60c.

906 Scarlett O'Hara. Bright cardinal red flowers of good size which stay open for more hours during the day than other Ipomeas.

Pkt. 15c, 1/4 oz. 45c.

909 White Magic. Beautiful variety, early and free flowering, with large fleecy white flowers.

Pkt. 10c, 1/4 oz. 25c, oz. 75c.

900 Moonflower, White. The large white flowers are open in the evening and on cloudy days.

Pkt. 10c, oz. 50c.

911 Double Rose Marie. Deep rose flowers.

Pkt. 10c, 1/4 oz. 30c.

914 Giant Oriental Morning Glory. In a great variety of colors.

Pkt. 10c, 1/4 oz. 25c, oz. 75c.

Mignonette

Highly prized for its fragrance, both in the garden and when cut.

892 Large Flowering Mixed. Pkt. 10c, 1/4 oz. 25c.

Nigella (Love-in-a-Mist)

950 Miss Jekyll Blue. A lovely blue shade of semi-double flowers nestling in the fine feathery foliage. Very attractive in the garden or for cutting. Hardy annual that may be sown early outdoors. Pkt. 10c, 1/8 oz. 25c.



Nasturtium, Golden Gleam

NASTURTIUM

Nasturtiums will grow well and make excellent displays of flowers on soils too poor to support other flowering plants. Excellent for bedding, for borders and the trailing varieties on dry sandy terraces and banks.

The Double Gleam Varieties

Of semi-tall or trailing growth. Flowers have extra petals giving semi-double effect.

926 Golden Gleam

928 Scarlet Gleam

930 Glorious Gleam Hybrids. All shades.

931 Dwarf Double Gem Mixture. Compact rounded plants. Many bright colors.

934 Dwarf Single Mixed.

932 Tall Single Mixed.

Prices All Nasturtiums—Pkt. 10c, oz. 30c, 1/4 lb. 90c.

Nicotiana (Sweet Scented Tobacco)

Branching bushy plants about 2 ft. high carry their clusters of fragrant waxy flowers throughout summer and fall. The fragrance is especially noticeable during the evening and night, when flowers are fully expanded.

942 Affinis White. Pure waxy white.

944 Sanderae Hybrids. Pink rose, and red shades. Either Variety, Pkt. 10c, 1/4 oz. 30c.

Nierembergia

Splendid plants for bedding or edgings forming a cushion about 5 inches high with a mass of cup shaped flowers. Blooms 3 1/2 to 4 months from sowing so seed should be started early inside. Likes full sun in the border and sandy soil.

947 Purple Robe.

Deep violet blue. Pkt. 25c.



Nicotiana Affinis



"Mum" or Mission Giants



Eldorado, Canary Yellow. Very Effective with Blue Petunias

Snappy Marigolds—Tall and Dwarf

Marigolds do well on most any soil and they certainly reward you with a wealth of bloom for the garden or for cutting.

Chrysanthemum Flowered Marigolds

The illustration above will show the type of flowers. They are really handsome.

851 Mammoth Mum. Great lemon yellow blooms, plants 3 ft. high.

867 Mission Giant Yellowstone. Vigorous plants 18 inches tall with ball shaped golden yellow blooms.

868 Mission Giant Goldsmith. Rich orange. Any Above Three—Pkt. 15c, $\frac{1}{8}$ oz. 45c.

855 Chrysanthemum Flowered Hybrids. Big blooms variously formed, in all shades of yellow, gold and orange. Tall vigorous plants. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

860 Sunset Giants. Well named in the golden, orange and yellow shades. Sweet scented. Plants 2½ ft. tall. Pkt. 10c, $\frac{1}{8}$ oz. 35c.

878 Pot o' Gold Dwarf Gigantea. Large deep golden orange sweet scented flowers on dwarf plants 12-15 inches tall. Pkt. 10c, $\frac{1}{8}$ oz. 30c.

Tall Carnation Flowered

Among the best for cutting, flowers of good size for arrangements and with broad petals.

854 Real Gold. The largest of the type, very double, deep golden orange. 24 to 30 in. tall. Pkt. 15c, $\frac{1}{8}$ oz. 45c.

858 Yellow Supreme. The creamy yellow flowers have a delicate fragrance. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

856 Guinea Gold. Odorless strain, golden. Pkt. 10c, $\frac{1}{8}$ oz. 25c.

Tall Double African

Formal ball shaped blooms. Fine for cutting.

862 Lemon All-Double.

864 Orange All-Double. Either Color—Pkt. 10c, $\frac{1}{8}$ oz. 35c.

866 African Tall Double Mixed. All shades. Pkt. 10c, $\frac{1}{8}$ oz. 30c.

Dwarf Harmony Types

These have the crested center with the broader outer petals. They bloom early and profusely.

880 Harmony. Orange center with mahogany red outer petals. 15-18 in. tall. Pkt. 10c, $\frac{1}{8}$ oz. 30c.

881 Harmony Extra Dwarf. Only 5 to 6 inches tall. Great for edgings. Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 45c.

874 Spry. Very dwarf and compact, covered with bright yellow and mahogany flowers. Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 45c.

883 Spry Hybrids. Yellow, orange, scarlet and mahogany. Pkt. 15c, $\frac{1}{8}$ oz. 50c.

882 Dwarf Harmony Hybrids. All combinations lemon yellow, gold, and mahogany. Pkt. 10c, $\frac{1}{4}$ oz. 30c, oz. 90c.

Dwarf French Varieties

877 Eldorado. Lively canary yellow, a shade so much wanted. Well rounded plants 10 inches tall, full of flowers. Pkt. 15c, $\frac{1}{8}$ oz. 50c.

871 Yellow Pygmy. Very dwarf (6 in.) early and free blooming variety of the brightest yellow. Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 40c.

876 Dwarf Double French Mixed. Very fine mixture. Plants average 10 to 12 inches tall. Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 45c.

872 Red Head. Very free flowering bushy plants one foot tall. The flowers, showy red to bronze shades are single with golden crested centers. Excellent for borders and cutting. Pkt. 10c, $\frac{1}{8}$ oz. 45c.

873 Naughty Marietta. Bright golden yellow with maroon at base of petals. Dwarf single. Pkt. 10c, $\frac{1}{8}$ oz. 45c.

853 Flash Single. Combination of vivid red, bronze, and yellow shades. The earliest marigold to bloom. Pkt. 10c, $\frac{1}{8}$ oz. 20c, $\frac{1}{4}$ oz. 35c.

886 Signata Pumila, Border of Gold. Very finely cut fern-like foliage, fairly covered with small bright golden yellow single flowers. Pkt. 10c, $\frac{1}{8}$ oz. 35c, $\frac{1}{4}$ oz. 60c.



Pansy, Swiss Giants, Have Rich Coloring

RICH PANSIES

Our strains are of the highest quality. Ask for our leaflet on Pansy culture.

964 Superb Swiss Giants. Noted for their richness of coloring, their great size, and the heavy velvety texture of the petals. The colors are mostly of the darker richer colors such as bronze, mahogany, wine red, crimson, deep blues, etc.

Pkt. 25c, $\frac{1}{16}$ oz. \$1.25.

967 Steele's Jumbo Mixed. Early to bloom, the coloring of the flowers is magnificent, many shades not in other mixtures. Fine form, heavy petal substance, and long strong stems are other valuable characteristics, in addition to great size.

Pkt. 35c, $\frac{1}{32}$ oz. \$1.25, $\frac{1}{16}$ oz. \$2.00.

965 Englemann's Giant. A very choice strain for cut flowers or bedding. The stems are long, though plants compact. Blooms early, flowers large, both light and dark shades.

Pkt. 25c, $\frac{1}{16}$ oz. \$1.50.

966 Exhibition Mixture. An imported Pansy of very high quality yet inexpensive for you to buy.

Pkt. 15c, $\frac{1}{16}$ oz. 50c, $\frac{1}{4}$ oz. \$1.50.

The Brilliant Phlox

Few annuals are as gay and colorful as Phlox in a bed or border. They bloom over a long period and the stems are long enough for cutting. Sow early outdoors.

1055 New Giant Phlox, Mellow Moon. A soft shade of pastel yellow that harmonizes so well with most all garden colors. Like the other Giganteas in plant and large size of florets.

Pkt. 25c.

1052 Grandiflora Mixed. All shades from pure white, flesh pink, deep rose, cinnabar scarlet, crimson, creamy yellow, lavender, and violet, 15 to 28 inches tall. Pkt. 10c, $\frac{1}{16}$ oz. 35c.

1054 Gigantea Art Shades. Extra large flowering strain in the soft shades, such as salmon, rose, chamois, apple blossom, lavender.

Pkt. 15c, $\frac{1}{16}$ oz. 50c.

1053 Cecily Dwarf Mixed. Very bright for edgings. 6 in. tall. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Silken Shirley Poppies

May be sown outdoors very early, frost being no drawback and as they bloom in a few weeks make successive sowings for fresh flowers all summer.

1061 Single Mixed. Pkt. 10c, $\frac{1}{4}$ oz. 20c.

1068 American Legion. Dazzling orange scarlet. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.

1065 Double Begonia Mixed. Soft light shades. Pkt. 10c, $\frac{1}{4}$ oz. 25c, oz. 75c.

Portulaca (Moss Rose)

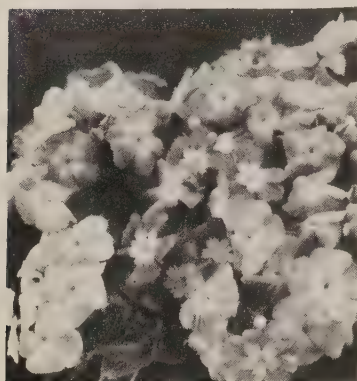
Portulaca does so well in hot dry locations and on such poor soil that it is always in demand. Low growing plants so useful for edgings, ribbon bedding and for sowing on dry banks and terraces.

1112 Single Mixed.

Pkt. 10c, $\frac{1}{8}$ oz. 30c, $\frac{1}{4}$ oz. 50c.

1114 Double Mixed. Like small roses.

Pkt. 15c, $\frac{1}{16}$ oz. 35c, $\frac{1}{8}$ oz. 60c.



Phlox, Giant Art Shades



Portulaca, Double



Dwarf Garden Giants]



Snowball Improved

For Every Garden

PETUNIAS

Bloom All Summer

The universal favorite, perhaps more widely planted in our section than any other annual. Not particular as to soil, give them sunlight and Petunias do the rest, providing an abundance of bloom all summer.

Usually Petunia seed is started early indoors especially the large flowering and double varieties. The smaller flowering bedding Petunias are quite hardy and the seed may be sown very early outdoors.

Largest of All Petunias

987 Giants of California, Dwarf Strain. Immense flowers with ruffled petals in a great variety of colors. The throats of the flowers are well-opened and veined and usually of a contrasting shade. Pkt. 25c.

988 Dwarf Ruffled Garden Giants. The plant develop into well-rounded mounds 12 to 15 inches high. They start flowering early and continue their gorgeous display all through the summer, though not as large as Giants of California. These flowers are 4 to 5 inches in diameter. Its the very best giant ruffled strain for outdoor bedding. Pkt. 25c.

All Double Petunias

The growing of Double Petunias from seed requires care, but results are well worth it. Directions supplied with each packet.

982 Mixed Colors. These produce 100% large fully doubled blooms. They will be a sensation in your garden. Pkt. (100 seeds) \$1.00.

Large Flowered Plain Edge

1006 Elk's Pride. Large flowers of the richest purple violet are very freely produced.

998 Snowstorm. Pure white of extra large size. The finest white Petunia.

999 Dazzler. New, exceedingly brilliant scarlet. Fine dwarf plants.

Any Above 3 Varieties—Pkt. 20c.

Balcony Petunias

Because of their trailing and free flowering habit they are ideally adapted for balcony or porch boxes or bedding.

Black Prince. Very dark crimson.

Rose Deep Blue White Crimson

Any Variety—Pkt. 15c.

1040 Balcony Mixed. Pkt. 15c, 1/16 oz. 50c.

Best New Bedding Petunias

1014 Fire Chief—New Red Petunia

Gold Medal 1950 All-America Award. The first really red bedding Petunia and one that will give a brilliant bed or border. Blooms freely all summer. Considered the best new flower variety in many years. Pkt. 25c, 1/64 oz. \$1.00.

1015 Silver Medal Salmon. Top flower in 1949 All-America. Richest and purest salmon pink variety yet developed and it is a beauty. Pkt. 50c.

1016 Snowball Improved. Finest white. A beautiful clean white, good sized well rounded flowers and plenty of them, just about covering the neat compact plants. Pkt. 20c, 1/2 oz. 60c.

Standard Bedding Varieties

1007 Blue Bird. Deep violet blue. Pkt. 10c, 1/16 oz. 50c.

1020 Celestial Rose, Improved. Finest deep rose, very compact. Pkt. 10c, 1/16 oz. 60c.

997 Glow. Dazzling deep rose red. Pkt. 15c.

1010 Howard's Star, Improved. Purple with white star. Pkt. 15c, 1/2 oz. 40c.

1018 Rosy Morn. Rose with white throat. Pkt. 10c, 1/16 oz. 60c.

995 Silver or Heavenly Blue. Best light blue. Pkt. 10c, 1/16 oz. 65c.

1011 Snow Queen. White. Pkt. 10c, 1/16 oz. 50c.

1004 Topaz Queen. Rich scarlet rose which does not fade in hot sun. Pkt. 15c, 1/16 oz. 65c.

1012 Twinkles. Rose, starred white. Pkt. 10c, 1/16 oz. 50c.

992 Velvet Ball or Dwarf Flaming Velvet. Very dwarf with blood red flowers. Pkt. 20c.

1017 Velvety Crimson. Rich blooms on dwarf compact plants. Pkt. 15c, 1/16 oz. \$1.00.

1022 Finest Bedding Mixed. Pkt. 10c, 1/16 oz. 40c, 1/8 oz. 75c.



Salvia Splendens



Scabiosa



Salpiglossis

Ricinus (Castor Bean)

Giant plants with very large ornamental leaves.

1148 Mixed Varieties. Pkt. 10c, oz. 25c.

Rock Garden Mixture

1152 A mixture of low growing annuals which are suited to growing in the Rock Garden. Pkt. 10c.

Rudbeckia (Black-eyed Susan)

1151 Starlight. Double and semi-double flowers in shades of yellow and velvety mahogany red. Pkt. 15c, 1/16 oz. 50c.

Salvia (Scarlet Sage)

The favorite bright red summer bedding and border plant. Seed should be sown early indoors, given plenty of warmth.

1171 St. John's Fire. The earliest Salvia to bloom, continuing in bright color until fall frosts. The scarlet spikes are only 10 to 12 inches tall, so ideal for bedding or borders. Pkt. 25c.

1170 America or Globe of Fire. Very free and continuous bloomer and exceedingly uniform in growth. 15 to 18 inches high. Pkt. 20c, 1/16 oz. 65c.

1168 Bonfire. Flowers of brightest scarlet carried well above the foliage. 2 ft. Pkt. 20c, 1/16 oz. 65c.

1166 Splendens. The tallest, 2½ to 3 feet. Pkt. 15c, 1/16 oz. 50c.

TRY THIS BLUE SALVIA

Salvia Far. Is more resistant to cold than Splendens and seed may be sown quite early outdoors. Really a tender perennial.

1174 Blue Bedder, Farinacea. Has great beauty in the border or as a cut flower harmonizing with other garden flowers, the yellows and golds of Marigolds as an outstanding example. Plants 2½ to 3 ft. Pkt. 15c, 1/16 oz. 50c.

Sanvitalia (Creeping Zinnia)

1180 Flowers like small double yellow Zinnias. Plants only a few inches high but quite spreading. Excellent for edgings. Pkt. 10c, 1/8 oz. 30c, 1/4 oz. 55c.

Salpiglossis (Velvet Flower)

An easily grown annual with flowers of rich and rare colorings. The flowers are Petunia shaped with deep throats most of which are golden and golden veins spread out through the rest of the flower. Salpiglossis likes rather light sandy soil and to be allowed to grow fairly dry.

1160 Finest Mixed Colors. Pkt. 10c, 1/8 oz. 25c.

Scabiosa (Pin Cushion Flower)

One of the best cut flower annuals, the blooms being carried on long, slender wiry stems and they stay fresh for a long period in water. Hardy enough to stand fairly early sowing outdoors.

1190 Hybrids Mixed. Excellent colors. Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c.

1191 New Imperial Giants. These new Scabiosas are big ball shaped flowers petalled fully to the center without the old pin cushion. Like Blue Moon, the first of this race but now a full color mixture. Upright plants up to 3 ft. with long stems. Pkt. 10c, 1/8 oz. 30c.

Schizanthus (Butterfly Flower)

Also called the "Poor Man's Orchid" because of the dainty formation and coloring of the flowers. Bushy plants fairly covered with flowers.

1200 Large Hybrids. Pkt. 15c, 1/16 oz. 40c.

Stocks

To get the longest season of bloom, start seed indoors in March in cool temperature, 60-65° F., setting out in May. They are benefited by transplanting. Stocks like fairly rich moist soil and protection from the hottest sun.

1221 Dwarf Double Ten Weeks Mixed. The best type for the outdoor garden. 15-18 in. tall. Pkt. 10c, 1/8 oz. 50c.

NOW—ALL CAN GROW SWEET PEAS



Sweet Peas

GROWING THE BEST SWEET PEAS

Plant Early—Plant deep—Inoculate the Seed

Get started just as early as soil can be worked even though still cold and wet. Dig a trench a foot deep and if it is not naturally well drained put in a layer of 3 or 4 inches of ashes or cinders. On the lighter sandy or loam soils that is not necessary. A layer of 2 or 3 inches of well rotted manure follows. If that mixture is not available use a regular fertilizer mixed with peat moss.

Cover this with soil so that the seeds are planted well above the fertilizer. Cover them at first with only an inch of fine soil and as the plants grow, gradually fill in the trench until level with the surface.

Give plenty of water when warm weather comes and keep soil cool with a mulch.

Sunflower (Helianthus)

Only a few realize the value of the decorative Sunflowers. Easy to grow and give a wealth of bloom.

1247 Sun Gold. Golden yellow double. 4½ ft. tall. Pkt. 10c, ¼ oz. 20c, oz. 60c.

1248 Red Flowering. Single flowers with mahogany red petals. 4-6 ft. Pkt. 10c, oz. 45c.

1250 Miniature Hybrids. Small flowers in gold, bronze, and red shades. 3½ ft. Pkt. 10c, ¼ oz. 25c.

Verbenas

Very showy and gay bedding plants that bloom continuously all summer and fall.

1396 Mammoth Mixed. This contains all shades of pink, rose, scarlet, lavender, blue, and white. Pkt. 10c, ⅛ oz. 50c.

1397 Bright Rose Shades.

1398 Royal Blue with Light Eye.

1399 White.

1400 Bright Red.

Any Color—Pkt. 15c, 1/16 oz. 40c.

OUR NEW SEED STRAIN ASSURES
SUCCESS TO ALL LOVERS OF
FINE SWEET PEAS

New Cuthbertson Sweet Peas

The wonderful strain of Sweet Peas that will continue to bloom during hot weather and still have good big flowers and long stems. Cuthbertsons have been thoroughly tested over the country and there is no question that it is the foremost strain that can be offered today.

1261 Coline. Scarlet.

1263 Frank. Lavender.

1265 Tommy. Blue.

1262 Evelyn. Salmon cream.

1264 Janet. White.

1266 Lois. Rose pink

Any Above—Pkt. 15c, ½ oz. 35c, oz. 65c.

1260 Cuthbertson Mixed. Beautiful colors. Pkt. 10c, oz. 35c, ¼ lb. \$1.00.

1330 Superb Mixed Orchid Flowering Spencers. The large flower wavy petalled type. Our mixture is well-balanced including all shades. Pkt. 10c, oz. 25c, ¼ lb. 80c.

1324 Early or Winter Flowering Spencers Mixed. These are the earliest to bloom. Pkt. 10c, oz. 40c, ¼ lb. \$1.25.

Statice

Excellent for drying as everlasting

1212 Sinuata Mixed Colors. Popular shades, deep blue, rose, white, and yellow. Pkt. 10c, oz. 50c.

Thunbergia (Black-eyed Susan)

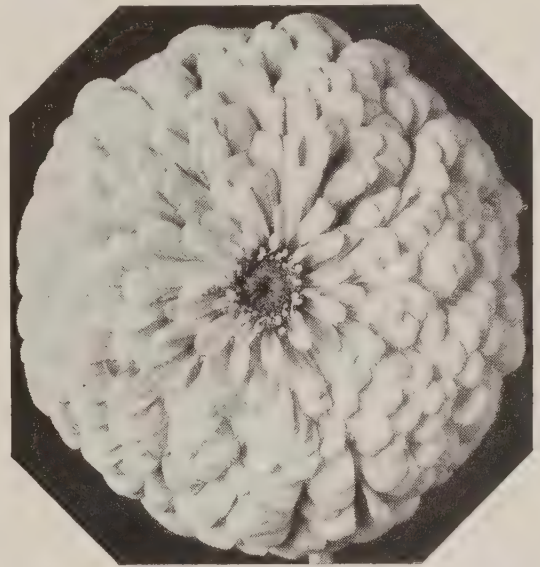
1355 Alata Mixed. Very pretty trailing plant for porch and window boxes or as a low vine. Yellow, orange, buff, and white with distinct black eyes. Pkt. 10c.



Mammoth Verbenas



Lilliput Zinnias, Free Blooming



Zinnia, California Giant

Zinnias Really Brighten the Garden

Easily grown—yet few flowers are as colorful for garden display or cutting. Sow the seed outdoors when soil is warmed up, thinning out as necessary. Keep wilted flowers picked for continued bloom.

Chrysanthemum or Super Fantasy

A very attractive type having graceful curled and twisted petals like "Mums." Flowers large, plants tall and vigorous. The colorings are unusual pastel shades such as apricot, soft rose, peach, chamois and buff.

1475 Mixed. Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c.

1474 Super Giant Zinnias Mixed

New race of Dahlia and less formal types, the largest grown, often 5 to 6 inches in diameter. Tall plants and brilliant colors.

Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c.

Popular Giant Dahlia Zinnias

Most popular of all Zinnia types. Immense flowers on tall well branched plants. If you want exhibition size pinch off side shoots.

Canary Bird. Yellow.	Crimson.
Dream. Lavender.	Exquisite. Pink.
Golden Dawn. Golden.	Golden State. Orange.
Illumination. Deep rose.	Oriole. Orange-gold.
Polar Bear. White.	Purple Prince. Purple.

Prices—All Above Varieties—Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c, oz. \$1.25.

1456 Gold Medal Dahlia Flowered Mixed. Superb blend of the better shades.

Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c, oz. \$1.10.

Giants of California

Flowers are large but somewhat more flattened than the Dahlia Flowered.

Golden Yellow.	Soft Pink.
Orange Scarlet.	Violet.
White.	Deep Scarlet.

Price Above—Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c.

1472 Giants of California Fine Mixed. Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c, oz. \$1.10.

Lilliput or Pompon Zinnias

Small, fully doubled flowers on comparatively dwarf plants 15 to 18 inches tall. Excellent for borders, bedding or cutting.

Canary	Maroon	Salmon
Crimson	Purple	Scarlet
Golden	Rosebud	White

Any Above—Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c.

1480 Lilliput Finest Mixed. Pkt. 10c, 1/8 oz. 20c, 1/4 oz. 35c, oz. \$1.10.

1494 Tom Thumb Mixed. Lilliput type flowers on very dwarf plants. Pkt. 10c, 1/8 oz. 35c.

Pumila or Cut and Come Again Zinnias

Intermediate between Giants and Lilliputs. Plants 2-2 1/2 ft. tall with good cutting stems.

1500 Pumila Mixed. Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c.

1496 Mexican Zinnia (Haageana) Double Mixed. Low border or edging plant with richly colored flowers in mahogany, maroon, purple, yellow, gold. Pkt. 10c, 1/8 oz. 30c, 1/4 oz. 50c.

1498 Linearis. Dwarf semi-creeping with single orange flowers. Pkt. 10c, 1/8 oz. 50c.



Super Fantasy



Mexican Zinnia

Sow Perennial Flower Seeds

For Year After Year Beauty



Aquilegia, Long Spurred Hybrids

Alyssum (Basket of Gold)

32 Saxatile Compactum. The 10 to 12 inch plants are masses of golden yellow flowers during the early spring. Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 40c.

Anchusa

56 Italica Dropmore. Bushy 5 ft. plants bearing masses of small Forget-me-not blue flowers in June and July. For border or cutting. Pkt. 10c, $\frac{1}{4}$ oz. 40c.

Aquilegia (Columbine)

There are no more graceful flowers than the lovely long spurred Columbines and they deserve a place in every border.

200 Letherman's Long Spurred Hybrids. The long gracefully spurred flowers possess all the delicate and rich colors known to Aquilegias. This is a strain of outstanding quality. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Bellis (Double English Daisy)

260 Monstrosa Mixed. Popular double daisies which bloom so freely in spring and early summer. Plants are biennial and best results are obtained by sowing each year like Pansies. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Hardy Candytuft

328 Sempervirens White. During late spring and early summer the attractive dwarf plants are fairly covered with white bloom. One of the very best hardy plants for low borders or rock gardens. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Unless otherwise described the varieties on the following few pages are all perfectly hardy and will give you beautiful blooms for several years after planting. A few varieties are "Biennial" living for two years only and those are so marked.

We will be glad to send you suggestions as to the growing of perennials from seed. It is not difficult and has become a source of great pleasure to many home gardeners.

Campanula (Canterbury Bells)

Biennial

For best results start seed in late spring or early summer for bloom the following season.

306 Medium Single Mixed. Large bell shaped flowers in long spikes. Shades of blue, pink, rose, and white. Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 40c.

302 Calycanthema or Cup and Saucer. Cup-shaped with saucer-like lower petals. Mixed colors. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

Carnation—Hardy Grenadin

This is the best of the Carnations, hardy in the northern states. The plants are 15 to 18 inches tall, the flowers with fairly long stems and mostly well double, a few being semi-double and single.

345 Grenadin Mixed Colors. Dark red, scarlet, pink, and white. Pkt. 15c, $\frac{1}{16}$ oz. 50c.

Cheiranthus (Wallflower)

390 C. Allioni, Siberian Wallflower. Very showy and fragrant orange yellow flowers in full bloom May and June. Plants bushy, about 1 ft. high. The plants will bloom the first year from seed sown early. Pkt. 10c, $\frac{1}{4}$ oz. 30c.



A Fine Plant of Hardy Candytuft



Stately Delphiniums for Your Border

Delphinium (Hardy Larkspur)

500 Pacific Giant Hybrids. The finest of present day Hybrid Delphiniums. The long spikes are carried on strong stiff stems, and the individual florets are extra large and fully doubled. The shades vary from light blue, lavender, and mauve to deep clear blue and violet.

Pkt. 25c, 1/16 oz. \$1.00.

Separate Color Selections Pacific Giants

501 Blue Bird. Clear medium blue.

502 Galahad. Glistening white.

503 Guinevere. Lavender toned with pink.

504 King Arthur. Dark violet, white center.

Any Variety—Pkt. 30c.

498 Wrexham or Hollyhock Strain. Another exceptionally fine type of Delphinium with long tapering Hollyhock-like spikes. Strong growing and healthy.

Pkt. 25c, 1/16 oz. 75c.

491 Belladonna Improved (Cliveden Beauty). The clear light blue Belladonna with flowers arranged in loose sprays. Pkt. 15c, 1/16 oz. 55c.

492 Chinensis Cambridge Blue. Clear blue flowers with fine cutting stems on 3 ft. plants. Blooms first year from seed sown early.

Pkt. 10c, 1/8 oz. 50c.

Coreopsis

422 Double Sunburst. Improved double, semi-double and single flowers.

Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 45c.

Daisy, Shasta

486 Alaska. These Daisies belong in every perennial garden. They are indispensable for cutting and for border display. Alaska is the best variety with extra large flowers in June. 2½-3 ft. tall.

Pkt. 10c, 1/8 oz. 30c.

487 Double Shasta. Flowers vary in form and all are pretty. The first year blooms may show many singles which in later years are fully doubled.

Pkt. 20c.



Dianthus Plumarius, Excellent Border

Dianthus (Hardy Pinks)

510 Plumarius Semperflorens Mixed. An excellent strain of perpetual Pinks in all shades, double and single. Pkt. 10c, 1/8 oz. 60c.

512 Plumarius Single Mixed. The old-fashioned sweet scented grass or Clove Pinks.

Pkt. 10c, 1/8 oz. 30c.

Digitalis (Foxglove)

540 Shirley Hybrids (Biennial). A stately plant for border clumps and backgrounds. Long flower spikes on 6 ft. stalks. Bell-shaped flowers in purple, rose, and pink shades and white.

Pkt. 10c, 1/8 oz. 30c.

Feverfew (Matricaria)

One of the most desirable perennials for cutting with their profuse small double white flowers.

600 Tall Double White. Plant 18 to 24 inches tall.

Pkt. 15c, 1/16 oz. 35c.



Shasta Daisy, Alaska



Gaillardia, Fine for Cutting



Platycodon, Bell Flower



Russell's Lupines

Geum (Avens)

Plants exceptionally well suited to the rock garden or the perennial border. The long wiry stems reach up well above the foliage.

626 **Bradshaw**. Double red. 628 **Stratheden**. Double yellow.
Either Variety—Pkt. 15c, 1/16 oz. 35c.

Hardy Gaillardia

One of the many good things about Gaillardias is their extremely long season of bloom. By keeping the old blooms cut off, the plants produce practically all summer and fall. Fine long stems for cutting.

614 **Burgundy**. Shining deep wine red.
Pkt. 15c, 1/8 oz. 60c.

619 **Superb Monarch Mixed**. All possible combinations of mahogany, yellow, and gold from the lightest to the darkest effects.
Pkt. 10c, 1/8 oz. 40c.

Gypsophila (Baby's Breath)

656 **Paniculata Single White**. 2-3 ft.
Pkt. 10c, 1/4 oz. 25c.

654 **Pan. Double White**. Produces a reasonable percentage of double flowers.
Pkt. 15c, 1/16 oz. 65c.

Hollyhock

724 **Finest Double Mixed**. All attractive shades.
Pkt. 10c, 1/8 oz. 55c, 1/4 oz. \$1.00.

726 **Allegheny Semi-Double Mixed**. Large wavy petalled flowers mostly of the delicate art and pastel shades.
Pkt. 10c, 1/8 oz. 25c, 1/4 oz. 40c.

Lathyrus (Hardy Sweet Peas)

Pretty, hardy trailing vine for covering fences, old stumps, etc., or as a covering on banks or terraces. Perfectly hardy, spreading rapidly, the plants bloom pretty well through the summer and fall.

790 **Mixed Colors**. Pkt. 10c, 1/8 oz. 40c.

Linum (Flax)

804 **Perennial Blue**. Dainty blue flowers on graceful stems are produced continuously all summer.
Pkt. 10c, 1/4 oz. 25c.

Lunaria (Honesty)

815 **Biennis Mixed**. Also called St. Peter's Penny because of the silvery white seed pods so much prized for winter bouquets. A biennial which readily self sows. Pkt. 10c, 1/4 oz. 30c.

Lupines

Lupines do best if the seed is inoculated with Nitragin and they like cool, moist soil conditions. Grouped in the border where the soil is shaded by lower plants is an ideal location.

830 **Russell Strain**. Magnificent shades.
Pkt. 15c, 1/16 oz. 35c, 1/8 oz. 60c.

Lychnis (Maltese Cross)

835 **Chalcedonica Scarlet**. The burning red blooms are like small Maltese Crosses. Fine old fashioned border flowers which bloom freely in midsummer. Plants 3 ft. high. Pkt. 10c, 1/8 oz. 40c.

Myosotis (Forget-Me-Not)

Alpestris. The spring blooming biennial Forget-Me-Nots which are usually grown like Pansies blooming the following spring from July sown seed.

918 **Alpestris Blue**. Pkt. 15c.

922 **Alpestris Mixed**. Blue, rose and white.
Pkt. 15c.

Platycodon (Chinese Bell Flower)

Bushy plants with neat attractive foliage and bell-shaped flowers, which when in bud are inflated like balloons. The plants are in bloom from July to October and are excellent for border, rock garden, and for cutting. 18 to 24 inches high.

1108 **Grandiflora Blue**. Pkt. 15c.



Viola, Tufted Pansy

Iceland Poppy—Nudicaule

These Poppies bloom the first year from seed sown early, but reach their full brilliance the second year. The silky tulip shaped blooms are on long wiry stems and they are nice for cutting especially if stems are seared or dipped in boiling water.

1082 Giant Mixed. Tall stemmed strain in scarlet, orange, golden yellow, and white. Pkt. 10c, $\frac{1}{16}$ oz. 45c.

Oriental Poppy

1090 Scarlet. The most gorgeous spring flower. Brilliant red with black base. Pkt. 10c, $\frac{1}{16}$ oz. 40c.

1092 Salmon Pink. Pkt. 15c.

1091 Hybrid, Mixed Colors. All brilliant shades of red, salmon-pink and pink. Pkt. 15c.

Primula Polyanthus

Favorite spring flowers that do so well in rich moist soil in rock garden or border.

1120 Giant Mixed. Large, all shades. Pkt. 25c.

Pyrethrum (Painted Daisy)

These long stemmed Daisies grow in shades of pink, rose, deep red, and scarlet. They bloom in June and early July, showy in the garden and superb for cutting.

1142 Robinson Hybrids. A fine strain of the single varieties in mixed colors. Pkt. 15c, $\frac{1}{16}$ oz. 50c.

1143 Double and Semi-Double Mixed. Fine beautifully formed flowers. The first bloom is liable to be single but the second year the percentage of doubles is greatly increased. Pkt. 20c.

Rock Garden Perennials Mixed

1153 Nice mixture of low growing varieties. Pkt. 10c, $\frac{1}{8}$ oz. 75c.



Single Sweet William



Oriental Poppy

Scabiosa Caucasica

As valuable as the annuals for cutting. The blooming season is long for well established plants, June to October. **1194 Isaac House Hybrids.** Famous English strain with large flowers in shades of blue, lavender, and lilac. Pkt. 20c, $\frac{1}{16}$ oz. 60c.

Statice

1216 Latifolia Blue, Sea Lavender. Produces lovely graceful sprays of tiny lavender blue flowers, which are so very useful for mixing in bouquets with other flowers. May also be dried for winter use. Pkt. 10c, $\frac{1}{8}$ oz. 50c.

Sweet William—Biennial

To always have Sweet Williams at their best sow seed every year for the following year's bloom.

Best Sweet William Colors

1349 Dark Crimson. **1351 Scarlet Beauty.**

1350 Newport Pink. **1352 Giant White.**

Any Variety—Pkt. 10c, $\frac{1}{8}$ oz. 30c.

1345 Single Mixed. A fine mixture of both solid colored and eyed varieties.

Pkt. 10c, $\frac{1}{8}$ oz. 25c, $\frac{1}{4}$ oz. 45c.

1346 Double Mixed. Pkt. 10c, $\frac{1}{8}$ oz. 40c.

1348 Dwarf Alpine Mixed. Low growing species, plants 4 to 6 inches high. Pkt. 15c, $\frac{1}{16}$ oz. 60c.

Tritoma (Red Hot Poker)

1360 Early Flowering Hybrids. Although the Tritoma is a tender perennial these early Hybrids will bloom the first year from seed started early. The flower spikes or "pokers" are in shades of yellow, orange, and scarlet. Protect over winter or take up the roots in the fall. Pkt. 15c.

Viola (Tufted Pansy)

Though many varieties of Violas are perfectly hardy we suggest growing them like Pansies. Fine spring bloomers and in cool seasons they bloom some all summer and again in the fall. Violas like Pansies always do best under cool conditions.

1428 Letherman's Finest Mixed Violas.

Pkt. 15c, $\frac{1}{16}$ oz. 90c.

1429 Ruby. Very rich.

1430 Blue.

1432 Yellow. **1433 White.**

1431 Apricot.

Any Color—Pkt. 15c.

Gladiolus - The Cut Flower Supreme



Glads, for long lasting bouquets

Red and Scarlet Shades

Beacon. Glowing scarlet with contrasting yellow throat. Tall impressive spikes. Midseason.

Mrs. Mark's Memory. Rich deep purplish red.
Each 12c, 3 for 35c, Doz. \$1.15.

New Europe. Beautiful large bright scarlet.

Red Charm. Produces an enormous tall spike of medium red with many flowers open at once.
Each 12c, 3 for 35c, Doz. \$1.15.

Stoplight. Glowing clear red. Well spaced on stem with 7 to 8 blooms open at one time.

Valeria. Leading scarlet on the large flower markets. Very bright large blooms. Midseason.

Yellow and Orange Shades

Bit O'Heaven. Light orange of perfect form.

Buckeye Bronze. A beautiful combination of autumn bronze flushed orange.
Each 15c, 3 for 40c, Doz. \$1.50.

Hopman's Glory. Large, well formed yellow.
Each 12c, 3 for 35c, Doz. \$1.15.

Lantana. Bright, lively rich orange-salmon, blending into a golden throat.
Each 15c, 3 for 40c, Doz. \$1.50.

Spotlight. Tall spikes with large ruffled flowers of deep yellow with contrasting scarlet throat.
Each 15c, 3 for 40c, Doz. \$1.50.

You can start planting Glads in late April and real enthusiasts make several plantings up until July 1st in order to have cut flowers for a long season. Plant the corms 5 to 6 inches deep and then draw the soil up around the stalks as they grow. This gives good support to the tall spikes so that they do not blow over in strong winds.

White and Cream Shades

Corona. Very tall cream with petal tips touched with delicate pink. Midseason.
Each 12c, 3 for 35c, Doz. \$1.15.

Leading Lady. Beautifully formed white flower with creamy throat.
Each 15c, 3 for 40c, Doz. \$1.50.

Margaret Beaton. Large strong growing white with contrasting red throat. Midseason.

Silver Wings. One of the finest of all white "Glads" 6 to 8 very large ruffled flowers of glistening white are open at one time. A sport of Picardy.
Each 15c, 3 for 40c, Doz. \$1.50.

Snow Princess. A snow white beauty with soft cream throat. Blooms early.

Pink, Salmon and Rose Shades

Burma. Very rich deep rose with wide open heavily ruffled blooms.
Each 15c, 3 for 40c, Doz. \$1.50.

Chamouny. Rose pink with very dainty silver pink edging.

Ethel Cave Cole. Pure light pink, sometimes flaked with a deeper shade. Strong tall growing spike with 9 to 10 flowers open at a time. Early.

Picardy. Exquisite delicate apricot or shrimp pink. Ruffled petals.

Rosa Van Lima. Large clear soft pink with white stripe on lower petals.

Lavender, Purple and Blue Shades

Abu Hassan. The clearest shade of deep blue "Glads." Rich velvety shade.
Each 15c, 3 for 40c, Doz. \$1.50.

Blue Beauty. Light blue, darker at petal tips. Midseason.

Elizabeth the Queen. Beautiful clear lavender with darker lines in throat. Large, finely formed, gracefully ruffled. Tall spike with 7 to 8 flowers open at a time. Midseason.
Each 12c, 3 for 35c, Doz. \$1.15.

Smoky Shades

Vagabond Prince. Garnet brown, lighter in upper throat, scarlet below. Unusual pretty combination. Midseason.

"Glad" Mixtures—Next Page

PRICES—All Varieties Except as Noted, No. 1 Large Clean Bulbs—Each 10c, 6 for 50c, Doz. 90c, 25 for \$1.75, 100 for \$6.75. All prices subject to change.

Letherman's Finest Gladiolus Mixtures

Named Variety Mixture. Illustrated Boxes of 1 dozen bulbs (1 each of 12 distinct choice varieties). **Per box 85c, 3 boxes for \$2.40.** These make very fine gifts for flower loving friends.

Exhibition Mixture. Contains a fine selection of variety and colors. This mixture offered in bulk. **All top size clean bulbs. 3 for 25c, Doz. 75c, 25 for \$1.40, 100 for \$5.00.**

Tuberous Begonias

One of the most beautiful of all summer bedding plants. Tuberous Begonias are at their best in a partially shaded location and they like moist, well mulched soil. Peat Moss is ideal material to cover the soil around the plants. It holds the moisture and keeps the soil cool. The bulbs should not be set outdoors until all danger of frost is past, the end of May or early June.

In order to enjoy the flowers for a long season start the bulbs indoors in March or early April. You can use pots or flats, just so they can be lifted without disturbing the roots excessively. Small waterproof paper pots are excellent for starting. Use light soil, sand with peat moss or Vermiculite mixed in it is fine.

Double Camellia Flowered Begonias

Beautifully doubled and richly colored blooms in the following separate selections:

Red, Scarlet, Rose, Orange, Salmon, Yellow, Copper and White. **Any color or mixed—Large Bulbs, Each 35c, 3 for \$1.00, Doz. \$3.50.**

Gloxinias

Gloxinia bulbs are usually available in December and these beautiful plants can be grown in the living room. Soil for potting should contain plenty of sand. In watering, the foliage should be kept dry.

The flowers are large bell shaped in many rich colors. We have eight separate colors as, Fiery Red, Scarlet, Scarlet Bordered White, Soft Rose, All Colors Spotted, Rose with White Throat, Deep Blue bordered White and Pure White. **Any variety or mixed—Large Bulbs, Each 35c, 3 for \$1.00, Doz. \$3.50.**

Caladium Esculentum (Elephants' Ears)

The plant bears enormous green leaves, somewhat the shape of an elephant's ears. Caladiums are used as border plants often with Cannas, making a very attractive combination. Plant outdoors when soil and weather are warm. For earlier growth they may be started indoors like Cannas. Like rich moist soil. **Large Bulbs, Each 35c, 3 for \$1.00, Doz. \$3.50.**

Fancy Leaved Caladiums

The leaves are gorgeous and richly colored, variegated shades of red, green, ivory. They are used as house plants, as porch plants, and they may be planted outdoors in a sheltered spot where heavy winds cannot reach them. **Each 35c, 3 for \$1.00.**

Brilliant Cannas

The roots may be planted outdoors in mid-May, or start them inside in pots and set outdoors late May or June after their leaves have made a good



Camellia, double Tuberous Begonia

start. Cannas are beautiful as beds in large areas or as clumps in the border.

The President. Large glowing scarlet flowers.

King Humbert. Orange-scarlet flowers.

Yellow King Humbert. Canary yellow, spotted red.

City of Portland. Large heads of rose pink.

Any variety—20c each, 3 for 55c, Doz. \$1.80.

Dahlias

We will have a fine selection of varieties to offer you next spring, and they will be on display in our store, properly labeled as to color and type. Come in then and make your choice.

Tigridias (Shell Flower)

Brightly colored, large three petalled flowers of Reds and Yellows. There is an inner cup spotted with yellow. They like a warm sunny situation and are more effective planted in clumps of 6 or more. Plant 3 inches deep. **Each 10c, Doz. \$1.00.**

Tuberoses, Dwarf Double

Spikes of heavily fragrant double white flowers, thickly set along the stem. The bulbs may be planted directly outdoors when soil is warm, or started earlier inside like Cannas.

Each 18c, 3 for 50c, Doz. \$1.75.

Hardy Amaryllis—Halli

These bulbs have a dormant period in July and are available then. Plant them quite deep covering the crown about 4 inches. By fall a flower stem 2 to 3 ft. tall is produced carrying many lily shaped flowers of lilac pink, shaded blue.

Each 80c, 3 for \$2.25.



You'll Enjoy Home Grown Strawberries

Red Raspberry

Latham. By far the most popular and profitable Red Raspberry. Fruit buyers pay a premium for Latham's bright color, firmness and long keeping quality.

Black Raspberry

Cumberland. The leader among the Black Raspberries. Berries are large, firm, jet black with delicious flavor. Plants hardy, healthy and heavy bearing.

Logan. Earlier than Cumberland.

Blackberry

Eldorado. The one best Blackberry.

Grapes

2 yr. No. 1 Plants

Caco. Best early red grape, very sweet.

Catawba. Favorite late red. Productive.

Concord. Extremely productive, large blue black.

Niagara. Best white, large, high quality grape.

Horse Radish Roots

Maliner Kren Bohemian. Large size roots of superior quality.

Rhubarb Roots

Plant in the spring in well fertilized deeply worked soil, spacing 3 ft. apart each way. The following spring you can begin to cut fine stalks.

MacDonald. Large red stalks, tender and of excellent flavor, low in acidity. The skin is so tender peeling is not usually required.

Sweet Potato Plants

These rooted slips will grow good crops of Sweet Potatoes in the north. Usually ready in late May.

ORNAMENTAL NURSERY STOCK

Roses Flowering Shrubs Hedge Plants
Evergreens Fruit Trees Shade Trees

We will bring in a fine list of varieties for spring planting. You can be best served if you come in early and discuss with us what you will need in nursery stock, so that we can be sure to get the exact items wanted.

VEGETABLE ROOTS and SMALL FRUITS

In order to give you small fruit plants in the very best of condition we contract for the best varieties to be grown for us in northern Ohio and Michigan nurseries by specialists. These we have delivered to us in the spring at the right planting time. We have them come to us every week for a time, so that we have them in top notch condition for planting. You will be best served by ordering in advance early, then we notify you when your plants are ready.

Prices are not established at catalog time. However, you can depend on getting your plants from us at **very reasonable rates for the varieties and quality we have.**

Strawberry Plants

Premier. Most popular June Strawberry. Early, very heavy yielding. Does well on all soils.

Catskill. Midseason, good yielder of high quality.

Fairfax. Midseason, high quality. Dark colored.

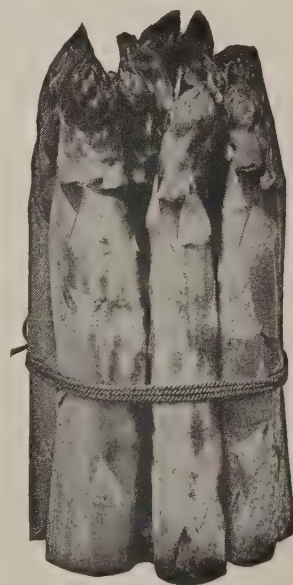
Everbearing Varieties

Gem. Good yielder in late summer and fall. Average size and quality.

Streamliner. The best everbearer. Delicious, very sweet flavor and very large berries. Plants hardy and productive.

Asparagus Roots

Asparagus likes deeply prepared and well enriched soil for best results. Plant as early as the soil can be properly prepared, the rows 4 ft. apart and the plants spaced 18 to 24 inches apart in the rows. Dig the trench for the roots 5 to 6 inches deep, at first covering the roots with about 2 inches of soil, gradually filling up the trench as the plants develop. Sometimes a few stalks may be cut the second year but the plants are weakened by heavy cutting until the third year and thereafter.



Tender Asparagus

Mary Washington. Valuable Rust resistant variety in demand because of high yield and excellent flavor. **Strong 2 yr. roots. Prices on Request.**



Good Clean Seed of Certified Michigan Russets

FOR BIG POTATO CROPS

Plant Letherman's Northern Grown Certified Seed

Our Seed Potatoes are Maine and Michigan grown, each variety from a section where that certain variety is a specialty. The fields are inspected when growing and the potatoes inspected and thoroughly graded after harvest. This year we had authoritative information that the fields were exceptionally clean from disease and the tubers scab free. It pays to plant that kind of seed.

The varieties are listed in order of earliness.

Bliss Early Triumph. Season early, about 10 days earlier than Early Rose and is more productive. Vines erect; foliage dark green. Tubers medium size, round, uniform in shape; eyes slightly depressed; skin light red; flesh fine grained.

Irish Cobblers. A fine early variety, producing large handsome tubers of uniform size and shape. A little later than Bliss but a heavier yield. The tubers are nearly round. The flesh is white, cooks dry and mealy and of excellent quality.

Chippewa. Developed by U. S. Dept. of Agriculture for resistance to mild mosaic. The tubers are smooth and regular in shape with very shallow eyes, and yields are exceptionally high. While not classed as an extra early variety it sets its tubers early and may be used both for an early or late crop. Cooking qualities are equal to the best.

Katahdin. Resistant to mild mosaic. Tubers, which it sets early are smooth and of elongated round shape and a very high percentage of No. 1 potatoes. Cooking, eating, and keeping qualities excellent. A week later than Chippewa.

Sebago. Excellent new variety, fine appearing and top eating quality. Very resistant to late blight so especially recommended for localities where blight is serious. Tubers mature a few days later than Katahdin and are round, smooth, and clear white.

Michigan Russet Rural. Tubers rounded, oblong in shape, of good uniform size. Eyes very shallow and few. Skin finely netted, which allows rough handling without damage and prevents shriveling from evaporation, thus making it an exceptionally good keeper. Eating quality high.

Potatoes in the Home Garden

1 pk. of potatoes will plant 200 ft. of row and should yield 4 or 5 bushels.

The potatoes are cut into pieces, each piece to have at least one good eye. Cut the seed pieces a week before planting to allow the cut sides to callous. Plant 4 inches deep in well enriched soil, spacing the seed pieces 8 to 10 inches apart.

For earliest crop plant Irish Cobbler or Bliss. For winter plant the late varieties.

Treat Seed Potatoes with Semesan Bel

Our seed is inspected and certified. It's as clean as can be. Even then it is best to treat all seed before planting. **A 2-ounce pkg. treats 6-8 bushels. 2 oz. 50c, 1 lb. \$2.00, 4 lb. can \$6.33.**

Use Dormatone—Sprout Inhibitor

It prevents shrivelling and sprouting in Potatoes in storage. **12 oz. (treats 8 bu.) \$1.00, 5 lbs. \$5.50.**

CERTIFIED HYBRID CORN • VARIETIES BEST FOR OUR SECTION

The following Certified Ohio Hybrids are those recommended by our State Experiment Station and County Agents, and they have proved their value on practically all of the farms in our area. Dates to ripening are reliable averages, of course varying somewhat with the weather and soil conditions.

Our corn is all well graded into No. 1 and Medium Flats. If you prefer round kernels we will do our best to get them for you.

Our Hybrid Corn is Treated With Spergon

This is of decided value in getting full stands, especially if your planting is done in cold wet soil. We do not charge for this service.

Two Valuable New Strains for our Section

Ohio 3262 (95 to 100 days). Slightly earlier than K24 it has outyielded that variety 5 or 6 bushels per acre, and the ears carried less moisture at harvest. Resistant to lodging and stalk breakage and is well suited to mechanical picking.

Ohio M 15 (90 days). The earliest good Ohio Hybrid, so adapted to Northern sections and for late planting. Plants slightly taller than K 23, strong, resistant to lodging, blight and corn borer. Ears are medium short, thick, 16 to 18 rowed, giving a heavy yield.

Ohio K 23 (93 days). Stalks leafy, short, and heavy with excellent root systems strongly resistant to lodging and drought. Good on all types of soil including the thinner upland soils. Ears borne medium low, 16 to 18 rowed. As a yielder K 23 is well up.

Ohio K 24 (100 days). One of the heaviest yielding early varieties. Corn borer resistant and adapted to the average soil. Ears borne low on stalk, of medium length, 14 to 18 rowed, grain medium rough and of the softer type.

Ohio K 35 (100 days). One of the best. A consistently high yielder of uniform, sturdy growth. Very lodge resistant. Also has good resistance to stalk rot, blight and smut. Plants fairly tall, ears borne medium low, ears heavy and rather short, 14 to 18 rowed. We highly recommend K 35 as of all around value especially adapted to sandy and lighter soils. Drought resistant.

Ohio 3264. A few days later than 3262 and a still heavier yielder. Rates about the best of all Ohio Hybrids for standing well without lodging or stalk breakage. Good in its resistance to aphid, smut and corn borer. Good for mechanical picking.

404 A (100 days). A very high yielding variety and adapted in every way to this section and to practically every type of soil. The small, strong shank makes 404 A easy to harvest.

Iowa 939 (110 days). Stiff erect stalks are ideal for husking standing, ears carried at medium height. Brings a good yield of long, medium rough ears of deep grain on a small cob. 16 rowed, 939 is blight resistant and at its best on fertile soil.

More Silage per Acre

U. S. 13 (115-120 days). In our section U. S. 13 is the corn to plant to fill up the silo. Tall leafy plants, corn borer and disease resistant. Ears large and deep grained, superior to other types ensilage corn. Following Prices set by Ohio Association:

Prices on Hybrid Corn

3262—3264—404A

\$9.00 per bu. large and medium flats

M15—K23—K24—K35—Iowa 939—U. S. 13

\$8.00 per bu. large and medium flats

Subject to Change

Spraying Weeds in Corn

Last year we supplied custom sprayers and farms with 2,4D Weed Killers for both pre-emergence and later application on corn. Very good results are reported. On the Weed Killer page in this catalog we include and suggest the best formulas for farmers' use. Investigate and use it this year.

Don't be Robbed by Birds

Crows and other birds often pull up corn and it pays to treat your seed with Stanley's, an extra good Crow Repellent.

½ pt. 60c, pt. \$1.00, qt. \$1.75.

A half pint is enough for 1 bu. of seed.

Treat Your Seed Corn to Insure Better Stands

All of our Hybrid Seed Corn is already treated for you and that's one reason our corn gives you best values. However, if you think of planting any corn, Hybrid or open pollinated, that is not prepared in advance, by all means treat it yourself. It pays big, especially for early plantings in cold wet soil. Either of these products will do the job well.

Spergon. 1½ oz. treats 1 bushel. 1 oz. pkg. 25c, 5 oz. tin \$1.00, 1 lb. \$2.25. Spergon is very valuable in treating other seeds also, so its well to have some on hand always.

Semesan Jr. 1½ oz. treats 1 bushel. 1½ oz. pkg. 17c, 12 oz. 62c.

Parking Space for Farmers

When you drive into Canton to pick up your seeds, etc., you will find parking space at our Farm Seed Warehouse on 5th and McKinley. You can complete your dealing right there, though our store is only a few steps (1½ blocks) from there. We are glad to offer this service to our customers.

Letherman's Farm Seeds

Our policy is to supply seeds of the best quality obtainable, high in purity and germination, and varieties thoroughly adapted to this section.

Our Mr. Berger who handles our farm seeds is an experienced farmer and a member of the Crop Improvement Association. He grows certified strains on his own farm and is therefore thoroughly familiar with their behavior and characteristics. In buying from us you get first-hand information.

There is space for you to park at our Farm Warehouse, 5th and McKinley, N. W.



Mr. Berger in His Field of Clinton Oats

SOY BEANS

Soy Beans are grown for the grain, for hay, for silage, for "hogging down" or for plowing under to improve the soil. They are planted at about the same time as corn, when soil is well-warmed up. We recommend shallow planting, 1 inch deep.

In rows 1 bu. of seed per acre
In drills 1½ bu. of seed per acre

Always Inoculate Soy Bean Seed with Nitragin

Lincoln. In our section most growers plant Soy Beans for hay and want big plant growth. We find Lincoln best for that purpose and if planted early it will mature the seed. It is a very heavy yielder and ranks at the top for oil content. A week later than Richland.

Hawkeye. This new Soy Bean matures early, at same time as Richland. It makes a large plant, is equal in standing ability and outyields Richland 3 to 4 bu. per acre.

Wilson Black. Late heavy variety for hay.

Prices on All Farm Seeds

We cannot print definite prices for spring delivery this date (November). However, we are and will be in position to take care of your needs on the right basis. We do not know what futures will be; the markets are strong, however, and early buying is liable to save you money. Come in and check up with Mr. Berger any time or drop us a line.

CLINTON 59 OATS Now Proven to Ohio Farmers

Since spring of 1948 we have urged the farmers of our area to sow Clinton Oats. This policy has certainly been justified by performance the past two years. Clinton has proven the best in yields and resistance to disease.

Clinton in addition is very stiff strawed, stools very heavily and is medium height. In season it is a week to 10 days later than Vicland. Clinton has high test weight, the kernels are plump and heavy with thin hulls.

Clinton 59 overcomes the only faults found in original Clinton. Clinton 59 has greater uniformity in bearing and maturity, a characteristic of decided value. In trials last year 59 slightly out yielded Clinton, which just about tells the whole story.

We recommend sowing at rate of 2 bu. per acre.

CLINTON NO. 11

A strain in every way similar to Clinton 59.

This spring we will have both 59 and 11 for sale in Certified and Treated stocks.

Ask for prices and buy requirements early.

WAYNE OATS

The old standby on so many farms in this area. A week to 10 days later than Clinton, it is a big yielder and has stiff lodge resistant straw.

Ask for prices on both Certified and Uncertified stocks.

Other Spring Grains

Barley, Velvet Spring. Best variety for Ohio.

Smooth awned, 6 rowed. Sow 2 bu. per acre.

Buckwheat. Sow 50 to 60 lbs. per acre in late June or early July.

Grains for Fall Sowing

Thorne and New Butler Wheats

Balboa Rye—Heavy stooling for fall pasture.

Winter Barley—Giving good yields.

TREAT SMALL GRAINS WITH CERESAN

Controls smuts and some other diseases. If your seed is not already treated, you should by all means do this for extra yields and cleaner seed at harvest, and better price for your crop.

New Imp. Ceresan. Use ½ oz. per bushel of seed. 4 oz. can 45c, 1 lb. \$1.00, 4 lb. can \$3.40.

Ceresan M. Experiment Stations call this the "nearest to perfect" small grain treatment. 14 oz. can \$1.00, 3 lb. can \$2.85.

ALFALFA

One of our most valuable hay and pasture crops. If seeded alone use 10 to 15 lbs. per acre. It is also used in mixtures at anywhere from 2 to 8 lbs. per acre. It is usually sown in the spring. March 15 to May 1, or in the summer, July 15 to Sept. 1. **Always inoculate the seed.**

Northern Grimm. Because of its multiple root system Grimm does better on shallow soils and withstands alternate freezing and thawing in winter with less damage than Common Alfalfa.

Montana Grimm—Utah Grimm

Common Alfalfa. The surest to catch and under good conditions produces more hay per acre than Grimm. Our seed is from approved Northern and Central sections.

Kansas—Oklahoma Approved

CLOVERS

Medium Red Clover. Our seed is of highest purity and germination, and northern produced. Sow in late winter, early April, or August at the rate of 8 to 12 lbs. per acre alone or 5 to 6 lbs. if in mixture.

Mammoth Red Clover. Of somewhat larger growth than Medium Red, about 3 weeks later to bloom.

Alsike Clover. Often does well where Red Clover fails. Alsike does well on the wetter, colder, and poorly drained soils of more acid reaction. Excellent for sowing with Timothy as they mature at same time. Seed is smaller than Red and is sown at rate of 4 to 6 lbs. per acre alone or in mixture of 2 to 3 lbs. per acre.

Sweet Clover, White Blossom. Does well on practically all types of soil, poor barren spots where other clovers will not catch. Makes rather coarse hay, but is a great soil builder and early spring sowings will make a hay crop that fall. Sweet Clover lives 2 years and often reseeds itself. Sow in March and April or July and August at rate of 10 to 12 lbs. per acre.

Sweet Clover, Yellow Blossom. Makes smaller and finer growth than White Blossom—so preferred for hay or pasture. Both excellent bee pasture.

Ladino White Clover

Ladino is a giant growing type of White Clover, that is very highly recommended for use in pasture mixtures. Larger in every way than White Dutch, it survives a surprising amount of dry weather and lives long in the less closely grazed pastures. Gives a remarkable yield. Sow with other clovers or grasses at rate of 1½ to 3 lbs. per acre.

Available in Certified Blue Tag or Field Inspected

White Dutch Clover. Also desirable in pasture mixtures. Low growing with creeping stems, it spreads and does well on most soils.

Birdsfoot Trefoil. This plant fills the need for a deep rooted, drought resistant perennial legume that stands plenty of grazing. Does well on practically all soil, even moist acid soil, though better with lime. Spring or early fall seedings are best. If broadcast sow 4-5 lbs. per acre or in mixtures 1½ to 3 lbs.

GRASSES and FORAGE

Kentucky Blue Grass, Heavy Recleaned Seed. The most valuable grass for permanent Ohio pastures. Given fertile soil and lime, Blue Grass will last indefinitely. May be sown anytime in spring or summer, but best results are obtained from April, or August and September sowings. When sown alone use 20 to 30 lbs. per acre.

Timothy. We make a specialty of Ohio grown seed showing purity of 99.5% or better. Sow in April, May, or Sept. to October alone at rate 10 to 12 lbs. per acre. Also sown in mixtures with Red or Alsike Clovers.

Rye Grass, Domestic. Used in many pasture mixtures because it germinates and grows quickly making pasture before the slower grasses become established. Also sown alone as a cover crop. Really is a better cover crop than Rye, making finer leaf growth and heavy root growth—and more palatable pasture. Has ability to start even under most unfavorable conditions. Sow in spring or summer or fall. When sown alone use 20 to 30 lbs. per acre.

Lincoln Brome Grass. The use of Brome is steadily increasing in our section and we regard Lincoln as the most satisfactory strain. It is a very valuable cold resistant and dry weather resistant grass, and does well on a wide variety of soils. It is often used with Alfalfa at a rate of 10 lbs. Alfalfa, 10 lbs. Brome per acre. Also used with Ladino for pasture.

Orchard Grass. Orchard is regaining popularity. It can be grown on most any soil if not very wet and it does better on light sandy soils that lack fertility than other grasses.

Reed's Canary Grass. A very valuable grass for wet, almost swampy soils, where nothing else does well. Useful for drier soils also. It makes a tough, permanent sod for pasture. Can be seeded with a grain crop in spring or alone in August to early September. Sown alone 8 to 10 lbs. per acre. In mixture 2 to 4 lbs.

Sweet Sudan Grass. Produces an immense crop of hay and if sown early, as soon as the soil is warmed up, can often be cut twice. Grows rapidly to height of 4 to 5 ft. and after first cutting it stolls out for pasture. It is killed in the fall by the first hard frost. If sown in drills use 10 to 15 lbs. per acre, if broadcast you will need 25 to 30 lbs. Sweet Sudan makes better and more feed than ordinary strain.

Winter or Hairy Vetch. Makes valuable hay, or green manure for plowing under. May be sown in corn at last cultivation or any time from July to September. Frequently sown with rye using 15 to 20 lbs. of Vetch with 1 bushel of Rye.

Dwarf Essex Rape. Excellent quick growing pasture for hogs or sheep. Usually ready to pasture 8 to 10 weeks from sowing. Excellent for late fall pasture, withstanding cold. Sow from April to July at rate of 5 to 8 lbs. per acre.

Letherman's Pasture Mixture No. 1

We have made up this mixture for permanent pastures for the average good soils in this section of the State. It is made up of heavy recleaned grasses and clovers in proportions recommended by the State Experiment Station. Contains Ladino Clover.

Inoculate All Legume Seeds

WITH NITRAGIN

Alfalfa Clovers Soy Beans
Vetch Garden Peas Garden Beans

See complete list with prices attached

You always get Nitragin in
Fresh and Active Condition

Each can is dated. Get it when needed and it
always improves crops.



Cyclone Seed Sower

Broadcasts Evenly
Saves Seed
Easy to Operate
Adjusts for Quantity

For sowing Clovers, Alfalfa, Timothy, Pasture
Mixtures—in fact any seed that is sown broadcast.
It is easily adapted to distribute the correct amount
per acre.

Efficient for Lawn Grasses and Mixtures.

Price \$3.75 (Subject to change).

Acme Corn Planter With Fertilizer Attachment

A real time-saving combination. The jaws are
divided so that the fertilizer does not come into
direct contact with the seed corn. The drop of both
the seed and fertilizer are adjustable. Best hand
planter made.

No. 308 Corn Planter \$5.00.

Inoculate all Legume Seeds with

NITRAGIN

1898—FIFTY-TWO YEARS OF SERVICE—1950

When ordering, Always state name of seed.

<p>ALFALFA (A) Swt., Bur, Hubam Clovers Size Retail 1 bu. each...\$.50 2½ bu. each... 1.00</p> <p>CLOVERS (B) Red, Alsike, Crimson, White and Ladino. 1 bu. each...\$.50 2½ bu. each... 1.00</p> <p>COMBINATION (AB) 1 bu. each\$.50</p> <p>LESPEDEZA (L) 100 lb. size (Inoculates up to 100 lbs.) ..\$.50</p> <p>PEAS, (C) VETCHES (All Varieties) 100 lb. size (Inoculates up to 100 lbs.) ea.\$.50</p>	<p>SOYBEANS (S) Size Retail 2 bu. each.....\$.30 5 bu. each..... .50 25 bu. each..... 2.25 (One can) 30 bu. each..... 2.95 (6-5 bu. cans)</p> <p>BEANS (D) Navy, Pinto, Wax, String, Kidney and Great Northern 1 bu. each.....\$.50</p> <p>PEANUTS, COW PEAS (E) 2 bu. each.....\$.30 5 bu. each..... .50</p>
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GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans
Enough for 8 lbs. seed — Retail Price 15c each

Letherman's Pasture Mixtures

Mixture No. 1. Made up to provide permanent
pastures on the average good soils in this section
of Ohio. Contains clovers (including Ladino) and
the best pasture grasses such as Kentucky Blue.
Prices on request.

If you have special conditions or soils we will
make up the proper formula for you.

Legumes That are Better

We urge all farmers to consider these varieties in making plans for 1950 crops

Ladino Clover

Adaptable to same soils as White Clover, yet far
more valuable. Ladino carries a protein content
percentage of 27% compared to 16% for alfalfa.
It is perennial, with a life span of 4 to 7 years.

Certified Midland Red Clover

Hardier and more disease resistant than common
Medium Red Clover. Equal to the best adapted
Ohio strains. Recommended very highly for our
section of Ohio.

Certified Ranger Alfalfa

Ranger is resistant to bacterial wilt which is
serious in the Northern States. Further it ranks very
high in seed and forage production and equal to
Grimm in cold resistance, being more winter hardy
than Buffalo.

Certified Buffalo Alfalfa

Buffalo is also resistant to bacterial wilt. It makes
very rapid recovery after cutting, and larger than
ordinary fall growth. It is well adapted to Ohio and
is more winter hardy and longer lived than strains
of common Alfalfa sown here.

Birdsfoot Trefoil

A long lived perennial with well developed
branching tap root. It is resistant to drought and
stands heavy and constant grazing. In feeding value
it is equal to other hay and pasture legumes. It does
well on most soils, even those of low fertility and
acid. However it responds well to fertilizer and
lime applications.

Reed Canary Grass

A strong growing grass little affected by dry
weather or cold, doing well on practically every
soil, even in wet spots. Once a good stand is
obtained it takes care of itself. Is of good feeding
value both as hay or pasture. It is one of the earliest
grasses to begin growth in the spring.

We have all the above new legumes and grasses
in stock and will be glad to serve you. Please get
our latest prices.

IT PAYS TO FERTILIZE . .

VIGORO

COMPLETE PLANT FOOD

Nitrogen 6%, Phosphoric Acid 10%, Potash 4% and 11 other elements that plants need

It is the analysis recommended by Experiment Stations and so many garden experts for general use on Vegetables, Flowers, Trees, Shrubs and Lawns. Vigoro supplies all the 11 elements that plants need from soil. It is clean, odorless and economical to use. Every dollar spent for Vigoro is well invested. Full directions with every package.

100 lbs. \$4.25, 50 lbs. \$2.65, 25 lbs. \$1.60, 10 lbs. 90c, 5 lbs. 50c.

Milorganite

A Valuable Turf Builder

Milorganite is entirely organic and its plant food becomes available slowly, feeding over a long period. It will not burn and is entirely free from weed seeds. It also improves physical condition of soils. Good for Vegetables, Flowers, Shrubs, etc.—though we especially recommend it for Lawns. Analysis—Organic Nitrogen 6%, Phosphate Acid 3%. 100 lbs. \$3.60, 50 lbs. \$2.35, 25 lbs. \$1.35.

Kill Weeds as you Fertilize

Wooster "Lawn Bilder" Does It

8-8-4 Fertilizer plus 2,4D Weed Killer

Lawn Bilder 8-8-4 is a complete and long acting Lawn Food. It has nitrogen available quickly as well as slow acting that keep on feeding. Contains such valuable ingredients as Soy Bean Meal and Bone Meal ($\frac{1}{2}$ the nitrogen is in organic form). Used at the rate of 10 lbs. per 1000 sq. ft. your lawn gets enough 2,4D to control weeds, along with the plant food.

10 lbs. \$1.29, 25 lbs. \$2.75, 50 lbs. \$4.85.

Horticultural Peat Moss

Soil Conditioner and Mulch

A fine grade which worked into the soil acts like a sponge holding moisture and plant food so that it is available to plant roots. It breaks up heavy soil and improves light sandy soil, making them more productive and easier to work. Soil does not bake or crust when Peat Moss is used liberally. Also valuable as a surface mulch in hot weather, keeping soil cool and the weeds down. Nothing better as a protective covering in winter. Available in following sizes:

Big Jumbo Bales \$4.95, Jubilee Bales \$3.15, Bu. Bags 75c.

Kapost Compost

100% Organic Compost that is so valuable for outdoor and indoor plants. Ask for leaflet explaining its many uses.

10 lbs. \$1.00, 50 lbs. \$3.00, 100 lbs. \$5.00.

Special Rose Food

Analysis 7-8-5 Organic

An organic fertilizer made up of materials that roses require to make healthy plants and give the maximum of bloom. Dried blood, bone meal, cotton seed and other valuable ingredients are used.

5 lbs. 75c, 10 lbs. \$1.25, 25 lbs. \$2.75.

Rhodo-Azalea Food

Keeps the Soil Acid

Just the food that is needed for Rhododendrons, Azaleas, Camellias and other acid loving plants.

5 lbs. 75c, 10 lbs. \$1.25, 25 lbs. \$2.75.

Bulb Food

For Glads, Dahlias, Tulips, Daffodils, etc.

This contains the correct elements for bulbs, not only to produce maximum bloom, but to develop the bulb in the ground so it is in the best condition for the following year. For instance, an application of Bulb Food to Tulips as they bloom or even after blooming, helps to develop the bulbs for maximum results the following spring. Analysis 5% Nitragin, 6% Phosphoric Acid, 15% Potash.

5 lbs. 75c, 10 lbs. \$1.25, 25 lbs. \$2.75.



Complete, balanced plant food builds sturdy plants. Soluble in water, it is immediately taken up and used by the plants. Excellent for seedlings, cuttings, transplants, in fact every plant that grows indoors or out. Hyponex will not burn, it is clean and odorless. Can be used dry or mixed with water at rate of 1 ounce to 6 gallons.

We thoroughly recommend Hyponex to both home gardeners and professional greenhouse growers. The analysis is very high including all valuable plant food elements plus Vitamin B₁.

1 oz. (makes 6 gallons) 10c, 3 oz. 25c, 7 oz. 50c, 1 lb. \$1.00.



Concentrated PLANTABBS

Valuable quick dissolving food for house plants, in fact for all plants.

Box 10 Tablets 10c, 30 Tablets 25c, 75 Tablets

50c, 200 Tablets \$1.00, 1000 Tablets \$3.50.

Floraglow for House Plants

Promotes growth, produces a beautiful luster on foliage, cleans leaves of dust and dirt, and is also an insect repellent.

6 oz. bottle 35c, spray top for bottle 18c.

Fertilizer Prices are Subject to Change and are F.O.B. Canton

.. EVERYTHING YOU PLANT

Compo

Turns Garden Refuse into Rich Organic Manure

A mixture of chemicals which speeds up the decomposition of all discarded plants, grass clippings, leaves, etc., and at the same time enriches the compost. **7½ lb. pkgs. (makes approximately 375 lbs. of organic manure) \$1.25, 25 lb. pkgs. (1250 lbs. manure) \$2.50, 100 lbs. \$9.00.**

Terra-Lite—Vermiculite

Plant Aid

A growing medium for plant life, for germinating seed, rooting cuttings, plant propagation, mulch, lightening heavy soil and storing bulbs. Flowers, plant and bulbs start better, grow better and bloom better when Terra-Lite brand Vermiculite is used as a planting medium. **4 qt. bag 40c, ½ bu. bag 85c, 2 bu. bag \$1.90.**

The uses of Vermiculite are many and varied. Please ask for leaflets giving full details.

Es-Min-El

The name is derived from Essential-Mineral-Elements. It is not a fertilizer but a mineralizer and adds to the food value of vegetables and fruits grown in the soil. It can be said with authority that fruits and vegetables rich in vitamins cannot grow in soils lacking in minerals.

Mineralized plants mature early, have longer bearing season and are much better quality. The increase in quantity alone justifies the small expense in using Es-Min-El. In the case of flowers Es-Min-El produces healthier plants and better blooms. One cupful will mineralize 100 sq. ft. of garden. **Prices on application.**

Dried Cattle Manure Pulverized Sheep Manure

We carry stock of these valuable manures that are still considered the very best plant foods by many experienced gardeners. They contain the elements that make plants grow and, of course, being organic they add humus and moisture holding capacity to the soil.

Available in 5 lbs., 10 lbs., 25 lbs. and 50 lbs.
Prices on application.

Bone Meal

A fine slow acting food for plants. It does not quickly stimulate top growth but helps greatly in developing strong root systems and bulbs in the case of bulbous plants. Favored for Roses, Bulbs, Perennials Plants and as a fall application on lawns.

Prices on application.

Lime

Agricultural Hydrated
Superfine Ground Limestone
Fresh Spray Lime

Prices on Application.

Sulphate of Ammonia Nitrate of Soda

Quick acting Nitrogen fertilizer that stimulates top growth almost overnight. Fine for lagging plants that need "pepping up" and green in the leaves. Available in any quantity. Prices on application.

Other Special Fertilizers

Dried Blood. Used for Evergreens and with Bone for Roses.

Superphosphate. 20% Acid Phosphate.
Muriate of Potash. For root development.

Commercial Farm Fertilizers

We maintain stocks and on large tonnage orders can deliver the leading farm fertilizers direct from the manufacturers.

2-12-6 4-12-4 3-18-9
4-12-8 10-6-4

We will appreciate your inquiries on quantities of these or other formulas needed.

Growth Promoting Hormones

ROOTONE

Reg. U. S. Pat. Off.

The plant hormone powder for cuttings, seeds, tubers, and bulbs. Just dip the base of the cutting or slip in Rootone before setting and the roots will grow faster and bigger.

¼ oz. pkg. 25c, 2 oz. \$1.00, 1 lb. \$5.00.

TRANSPLANTONE

Reg. U. S. Pat. Off.

The hormone-vitamin powder for stimulating roots in transplanting. Makes shrubs, trees, and plants in general take root faster. You will find your crops of cabbage, tomato and other vegetables will be earlier and bigger if Transplantone is used.

½ oz. pkt. 25c, 3 oz. pkg. \$1.00, 1 lb. \$4.00.

Rosetone

A proven combination of Hormones and Vitamins that is of great aid to successful rose production. Just soak the roots of Rose bushes in the solution before planting. Water established plants with Rosetone for better growth. Directions on package.

½ oz. pkt. 25c, 3 oz. pkg. \$1.00.

Fruitone

Has many uses, notably to prevent blossom drop in Tomatoes. Sprayed on the blossoms it results in earlier, more and solid fruits, with many less seeds. It also prevents premature drop of apples and pears. Read our complete leaflet on Fruitone to appreciate its full value.

2/5 oz. pkg. 25c, 2 oz. \$1.00, 12 oz. can \$5.00.

MATERIALS FOR CROP PROTECTION

To control Insects and Plant Diseases on Vegetables—Flowers—Roses—Fruits—Ornamentals Shrubs—Trees and Lawns.

Letherman's policy is to have not only the seeds, plants and bulbs to take the first step to good crops, but to have for you the very best controls for any pest that might threaten those crops.

We are members of the Ohio Pesticide Institute and adhere very closely to the recommendations and information given to us by the Ohio Experiment Station, the USDA and Technical Experts of the country's largest and most forward looking Chemical Manufacturers.

Any quotations made at this writing are subject to change.

Standard Insecticides

Arsenate of Lead. Standard poison for chewing insects. **lb. 50c. Ask for quantity prices.**

Black Leaf 40. Nicotine Sulphate. Old standard and still perhaps most effective control for most sucking insects, such as aphids, plant lice. **1 oz. 35c, 5 oz. \$1.05, lb. \$2.40, 2 lbs. \$4.15, 5 lbs. \$7.40.**

Calcium Arsenate. Controls chewing insects, much used on potatoes. **lb. 25c, 4 lb. bag 72c.**



Red Arrow. Very effective and well-known complete insect spray containing Pyrethrum, Rotenone, and Piperonyl cyclonene. Non-

poisonous, always safe to use. **1 oz. 35c, 4 oz. \$1.00, pint \$2.85.**

Rotenone Dust. 1%. Very effective non-poisonous dust which controls most chewing and sucking insects. Safe to use on all vegetable and fruits as it leaves no harmful residue. Our grade is recommended concentration. Can be used in dry form or mixed with water for spraying. The top control for Mexican Bean Beetles. **lb. 45c, 5 lbs. \$1.50.**



Tobacco Dust. Repellent and Insecticide. Mixed with soil for underground insects. Also controls poultry lice. Our grade has high nicotine content, most effective. **2 lb. carton 30c, 10 lbs. \$1.05.**

Volck Oil Spray. A summer oil spray and carrier effective against Mealy Bugs, Scale Insects, Red Spiders, and White Flies. **4 oz. 35c, 16 oz. 70c.**

Special DDT Formulations

DDT has proven itself to be a very effective insect killer, though not a cure-all and not to be used on all crops.

50% Wettable Powder. Mixes readily with water for use on crops such as potatoes, codling moth on apples, Japanese Beetle and many others. This form is also the most economical for use on farm animals, farm buildings, etc. **1 lb. can 75c, 4 lb. bag \$1.80.** The 50% is the most economical form to buy.

Syndeet 30. Best liquid DDT Spray which also contains a new organic insecticide effective for aphids and red mites and other insects that DDT does not ordinarily kill. Very economical—for instance 1 pint with 100 gallons of water will control all potato insects. **1/2 pt. \$1.00, qt. \$3.00.**

Zid-U-AI. Oil spray containing 5% DDT. For use as a residual action contact insecticide spray in homes, restaurants, barns, milk shed, chicken houses, etc. Controls flies, mosquitoes, bedbugs, roaches, etc. Stainless and pleasant to use. **1 pt. 55c, 1 qt. \$1.00, gal. \$3.25.**

Neudust (containing 5% DDT). A special blend in dust form highly recommended for Japanese Beetle, Colorado Potato Beetle, Flea Beetles, Thrip and Corn Ear Worm. Should not be used on Spinach, Lettuce and other leafy vegetables nor on Tomatoes and Cucurbits. **1 lb. Sifter Top Can 35c, 5 lbs. bag \$1.20.**

DuPont's 5% DDT Household Insect Spray. Contains Pyrethrum also, which means quick kill on contact. Non-staining. **Qt. 75c.**

Sohio Aerosol Bombs. (DDT) Very convenient for household use. **Each \$1.29.**

FOR TREE PROTECTION

Tree Tanglefoot. The efficient method of keeping insects out of shade and fruit trees. Just spread a band of Tanglefoot around the trunk high enough to be out of reach. Also for sealing and waterproofing wounds. **6 oz. 60c, lb. \$1.15, 5 lbs. \$4.75.**

Trowbridge Grafting Wax. Best known grafting wax. For grafting, budding, top working, etc. **1/4 lb. 30c, 1/2 lb. 45c, lb. 70c.**

Treekote. Pruning and tree wound dressing. Comes ready and easy to apply. Treekote makes an excellent filler for cavities when mixed 3 parts sand, 1 part Cement, and 2 parts Treekote. A treatment on young fruit trees against rabbit and mice injury. **Pt. 45c, qt. 65c, gal. \$1.90.**

Tre-Tex. A repellent to prevent rabbits, deer, mice and other bark-eating animals from damaging your trees. Just paint thoroughly on the trunk from the ground up to 3 or 4 ft. Put on when bark is dry, using a brush which has not been soaked in turpentine or kerosene. One painting lasts all winter. **Pt. 85c (protects 15-20 trees).**

For Peach Tree Borers

Parascalecide. Effective and safe to use even on young trees. Apply in Fall or Spring. **Qt. \$1.25, gal. \$2.90.**

Para-dichlor-benzene. Control for peach tree borers and also used as a household moth control. **Lb. 35c, 3 lbs. 90c.**

DDT is also recommended as a control for Borers.

Standard Fungicides

Bordeaux Mixture. Effective fungicide for control of Black Rot, Mildew, Blight, Leaf Curl, Scab, etc. **Lb. 45c, 4 lbs. 90c.**

Copper A Compound. A very effective form of fixed or low soluble copper that avoids plant injury often resulting from the use of Bordeaux. Excellent for use on celery, tomatoes for blight, potatoes, vine crops and cherries. May be used as dust or spray. High copper content 45 to 50%. **6 lb. bag \$2.10.**

Copper Sulphate Monohydrated Copper Sulfate
Ask for prices

Sulfur Dust. Superfine dusting grade. Excellent control for Rose Mildew, mildew and fungus diseases on many other plants. **Lb. 15c, 5 lbs. 60c.**

Sulfur-Magnetic Wettable. Micronized. Finest grade with great spreading capacity. Goes into solution readily. Ideal for use in combination with Arsenate of Lead or Nicotine. Recommended instead of Lime Sulfur for many fruit sprays. **Lb. 18c, 5 lbs. 65c.**

Lime Sulfur-Dry. Widely used fruit spray. **Lb. 40c, 5 lbs. \$1.75, 12½ lb. bag \$2.50.**

New Organic Fungicides

Fermate. An organic fungicide recommended for many fruit and vegetable diseases. Ohio Experiment Station recommends it in apple, pear, and cherry sprays, for early and late blight of celery and anthracnose on beans. Also recommended for use on roses and other ornamentals. Ask for complete leaflet with suggestions for applying Fermate on various crops. Packed as dry powder, but used as liquid spray only. **½ lb. can 75c, 3 lb. bag \$2.25.**

Zerlate Fungicide. Very effective for early blight of potatoes, leaf blight diseases of celery, leaf spot diseases and anthracnose on tomatoes, leaf diseases and wilts on cucurbits, brown rot on peaches and diseases on other vegetables, fruits, and ornamentals. **3 lb. bag \$2.25.**

Phygon-XL Fungicide

Controls all leaf blights and fruit rot of tomatoes, Black Spot on roses, apple scab and many other plant diseases caused by fungi. A seed protectant to be dusted on beet, Tomato, Spinach, Swiss Chard, Peppers, and other seeds before planting to prevent seed decay and "damping-off." **2 oz. can 50c, 4½ oz. \$1.00, 1 lb. \$2.70.**

Dormant Oil Sprays

Scalecide. A combination of mineral and vegetable oils, considered the safest oil spray to use on all fruits, shade trees, shrubs, vines, and evergreens. Very effective against scales, aphids, red mites, and other pests controlled by a dormant spray. **Qt. \$1.00, gal. \$2.40, 5 gal. \$8.10.**

Parascalecide. Combination of Scalecide and Paradichlorobenzene for peach tree borers. **Qt. \$1.25, gal. \$2.90.**

Soluble Oil Spray. For dormant spraying. Dilute 1 gallon to 30 gallons water. **Qt. 25c, gal. 80c.**
Ask for quantity prices.

CHLORDANE

Chlordane is effective as a contact insecticide, a stomach poison and a slow fumigant against a wide range of insects. It has been used with very good results for grass hoppers, ants, wire worms, crickets and many kinds of maggots and grubs in the garden or agricultural field, and on such pests as roaches, carpet beetles, moths, etc., in the pest control field.

Synklor 50W. A dry powder containing 50% technical Chlordane and to be mixed with water for use. 2 pounds of this material mixed with 100 gallons of water is enough for one acre. **8 oz. can \$1.50, 1 lb. can \$2.50.**

5D Chlordane Dust. A dust containing 5% Technical Chlordane. We recommend it as the form to use when dusting is more convenient than spraying. For lawn use to control ground ants and grasshoppers apply 5 lbs. of this dust per 1000 sq. ft. At that rate it is a very effective and inexpensive grub control. We also recommend the dust for household use against cockroaches, etc. A good cutworm control for the garden. **1 lb. 60c, 5 lbs. \$1.90. Ask for quantity price.**

Chlordane Liquid Emulsion 45%. Excellent form of Chlordane controlling all insects as recommended above. Average application, 1 teaspoonful to a quart of water. **Oz. 39c, 4 oz. 75c, ½ pt. \$1.25.**
Ask for quantity prices.

Marlate, 50% Methoxychlor Insecticide

Affords effective control against many insects on vegetables, such as Mexican Bean Beetle, Cucumber Beetles, Japanese Beetles, Leaf Hoppers, Flea Beetles, Corn Ear Worm, Codling Moth and Ornamental Fruit Moth. It is also an excellent control of fleas, house flies, cockroaches and other farm and household pests. Can also be used as a spray or dip on animals to control horn flies and fleas. Marlate is safe to use, as it is non-poisonous and it does not have the harmful effect on cucumbers, melons, and some other crops that are damaged by DDT. A powder that may be used as dust or spray. **8 oz. 75c, 4 lb. pkg. \$3.20.**

DuPont Dairy Cattle Spray. Contains Methoxychlor so safe to use on cattle and in barns. A wettable powder to be mixed with water. ¼ lb. in 3 gals. of water will treat about 8 head of cattle. For spraying barns use 1 lb. to 3 gals. water to cover about 1500 sq. ft. This material may also be used on plants in the proper concentration. **¼ lb. 45c, lb. \$1.30, 2 lb. can \$2.40.**

DN-111. Dinitro Spray

Used in fruit sprays to control European Red Mite. Use in emergency spray on apples, July or August. 1½ lbs. to 100 gallons of water. Follow directions closely. **1¼ lb. pkg. \$1.00. Ask for quantity prices.**

Benzene Hexachloride

Excellent control for various insects on plants and as cattle spray. We will have the proper formulations. Ask for leaflets and prices.

For Bulb Protection

Naphthalene Flakes. For treatment of gladiolus bulbs for thrip, and for household use. **Lb. 35c.**

Spargon Gladiolus Dust. Controls thrips and corm decay. Apply before planting. May also be used on Tulips, Narcissus and Iris. **2 oz. envelope 25c, lb. \$1.50.**

ALL-PURPOSE SPRAYS-DUSTS

Combination Insecticides and Fungicides

For the home gardener who wants one package that will control numerous pests. Also in some cases for large growers who want to combine operations for instance the potato grower using Copper and DDT at one application.

Bontox

All-purpose Insecticide and Fungicide dust containing Rotenone, DDT, Methyl Naphthalene and Copper Dust. For use on Vegetables, Flowers, Shrubs, and Fruits. Bontox contains wetting agents so can be used as a spray or dust. Mix 1 lb. to 5 gals. water. **1 lb. Sifter Top can 55c, 5 lb. bag \$2.00.**

DuPont Garden Dust

A many purpose spray or dust for vegetables, flowers, fruit trees, and ornamentals, controlling most insects and plant diseases. Contains DDT and Rotenone, two of the most effective Insecticides, also Fermate and Zerlate, two organic Fungicides that control practically all diseases. One of the most complete controls for all garden troubles. **8 oz. gun 79c, 1 lb. sifter top can \$1.15, 4 lb. bag \$3.50.** Use as dust or spray.

DuPont Floral Dust

Kills insects and stops diseases. For Roses, other Ornamentals and Fruit Trees. Contains Fermate and Sulfur for black spot, mildews, rusts and many other diseases. The Insecticides Methoxychlor and Rotenone control practically all insects and are safe to use on all plants. **8 oz. gun 79c, 1 lb. can \$1.15, 4 lbs. \$3.50.** Use as dust or spray.

Tree-Tox

All purpose fruit tree spray or dust. Tree-Tox will control insects and diseases that attack fruit and for the grower with only a few trees it is profitable to use it rather than get several separate materials. Contains DDT and Chlordane to combat insects, Micronized Sulfur and Fermate to stop diseases. Tree-Tox can be used for fruit spray throughout the season with exception of the early dormant spray for which an oil spray or Lime Sulphur is recommended. Complete directions for all fruits are on label. **1 lb. can \$1.00, 4 lb. bag \$3.00.** Ask for quantity prices.

Special Crop Formulas

Potato Dust. Copper plus DDT. Controls blights, leaf hopper, flea beetles.

Pickle and Melon Dust. Rotenone and Copper or Zerlate. For control of leaf blights and wilts and insects.

Bean Beetle Dust. Rotenone and Sulfur. For beetles and diseases.

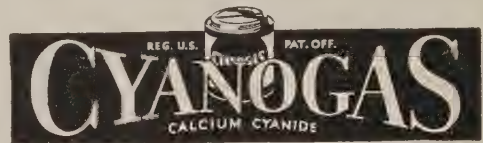
Tomato Dust. Ready prepared copper dust for early and late blights, etc.

Ask for prices in any quantity.

FUMIGANTS—REPELLENTS

Carbon Disulphide-Fumigant

For seed and grain and grain bin fumigation. Also used for vermin, such as in rat holes, mole runs, ant hills, etc. It is inflammable so should not be used near any fire hazard. Safe with any reasonable care in accordance with directions. In going after moles or rats soak rags in Carbon Disulphide and stuff them in the runs or holes and then cover over so that fumes do not escape into the open air. **Pt. 50c, qt. 75c, gal. \$2.25.**



Cyanogas "A" Dust. Kills rats, moles and all other rodents. **Lb. 98c, 5 lbs. \$3.75.**

Cyanogas Ant Killer Package. Fitted with spout for easy use on ant hills. **4 oz. 39c.**

Cyanogas G-Fumigant. Ideal material for the fumigation of greenhouses, mills, warehouses, and other buildings for eradication of all insects and vermin. **5 lb. can \$3.75.**

Formaldehyde Dust. For soil treatment to prevent seed and soil borne diseases such as "damping off." **lb. 85c.**

Mosquito-Fumers

Containing DDT and Nicotine in a special package for convenient use against Mosquitoes. The can acts as a special dispenser. One can will treat the average home grounds and make it mosquito free. **Can 45c, 3 for \$1.20.**

Nico Fume Powder Fumigators. **1/2 lb. tin 45c, lb. tin 75c.**

Stanley's Crow Repellent. See Corn, Page 48.

Naphthalene Flakes. For treatment of gladiolus bulbs for thrip, and for household use. **Lb. 35c.**

Tobacco Dust. Repellent and insecticide. Dusted on plants or worked into soil for underground insects. **2 lb. can 30c, 10 lbs. \$1.05.**

Dogzoff. Keeps dogs away from evergreens and other plants, garden furniture, etc. **3 oz. Bottle 60c.**



Miscellaneous Pesticides

Roach Paint—Containing Chlordane

Amazing new liquid—by far the best control for roaches of all species. Eradicates severe infestations within 4 days and the treatment lasts for 90 days. Can be sprayed on or applied with a brush. Leaves no residue. **Pt. 75c.**

Mologen. A practical method of eliminating Moles from lawn and garden in a short time. Easy to use and non-poisonous to birds or pets. **1/2 lb. 50c, 1 1/2 lbs. \$1.25.**

Mole-Nots. Sure death to Moles. **Garden Size 35c, Large Size \$1.00.**

Effective Ant Controls

Ant-X Jelly Bait. For all species of ants. Small size 35c, Large size \$1.00.

Ant-X Ant Traps. Safe and sanitary in house or garden and can be placed inside ice boxes or other food containers. Destroys both sweet and grease eating ants. Pkg. 25c.

Ridant. A new expertly prepared formula that has really cleared out ants when other remedies have failed. A heavy liquid that may be safely used indoors or out. Bottle 35c.

See Also for Ant Control **Cyanogas** and **Synklor Chlordane**.

For Rats-Mice-Rodents

See **Cyanogas**—Carbon Disulphide.

Mole Nots. 35c and \$1.00 sizes.

Ver Nost Antu—Kills Rats

20% concentrate powder; can be effectively used as tracking bait or to treat food bait. More effective than low priced, low Antu content materials. 1½ oz. 50c, 5 oz. \$1.35, 10 oz. (for large areas) \$2.50.

Squill Preparations. Non-poisonous, kills rats.

Killmice. 15c and 25c sizes.

For Flies, Mosquitoes, Cockroaches

Synklor Chlordane. Best roach control.

Double DDT. Best DDT for home.

Roach Paint. Pint 75c.

A FEW SUGGESTIONS

What to Use to Control—

Grubs in Lawns

Synklor Chlordane or DDT or Arsenate of Lead.

Tomato Blights

Coppers or Tomato Dust or Phygon.

Bean Beetles

Rotenone or Bean Beetle Dust or Marlata.

Potato Pests

DDT for insects, Copper or Bordeaux for blights.

Rose Pests

Combination sprays for insects and diseases
Sulfur for mildew, Phygon or Fermate or Copper for Black spot.

Plant Lice or Aphis

Red Arrow or Black Leaf 40 or Volck.

Red Spider on Evergreens

Volck or Azofume 10.

Cut Worms

Synklor Chlordane or Baits.

Chewing Insects

Arsenate of Lead or Rotenone or Marlata or Combinations.

Vine Borer and Squash Bug.

Marlata.

Corn Borer

DDT Syndeet.

NO-SEED HORMONE Blossom-set

Its use means earlier, larger, meatier, more delicious tomatoes. Just mix with water and spray the blossoms as they appear. Tomatoes ripen 2-4 weeks earlier, are larger, firmer and some nearly seedless. Excellent also for strawberries, peppers and cucumbers. Thoroughly tested. 4 oz. bottle (makes 1 gal.) 75c, Pt. \$1.75.

Dormatone—Saves Root Crops

A hormone sprout inhibitor which prevents sprouting, softening and shriveling of potatoes and other root crops in storage. Cuts down weight loss and saves vitamins. 12 oz. \$1.00 (treats 8 bushels), 5 lbs. \$5.50.

Seed and Root Protectants

Spergon. An easy and safe to use dust treatment for many vegetable seeds which prevents seed decay, "damping off" and stimulates growth. Especially valuable on Lima Beans and Sweet Corn. 1 oz. 25c, 5 oz. \$1.00, 1 lb. \$2.25.

Spergon DDT. Gives seed protection plus insect control against weevils and storage pests. 1 lb. \$2.25, 10 lbs. \$20.00.

Spergon Wettable. Dip for Sweet Potatoes and bulbs, and for control of Brown Patch in turf. 4 oz. 50c, lb. \$1.25.

Phygon XL. For beet and spinach and as fungicidal spray. 2 oz. 50c, 4½ oz. \$1.00, lb. \$2.70.

Arasan. For many vegetable seeds, corn, and soy beans. ¾ oz. pkg. 25c, 8 oz. can 80c.

Semesan. For vegetable and flower seed treatment. ⅓ oz. 20c, 2 oz. 60c, 12 oz. \$2.40.

Semesan Jr. For corn. 1½ oz. 17c, 12 oz. 62c.

Semesan Bel. For potatoes. 2 oz. 50c, lb. \$2.00, 4 lbs. \$6.33.

Tersan. Controls turf diseases. 8 oz. can 80c, 4 lb. can \$5.16.

Ceresan M. Best for small grains. 14 oz. can \$1.00, 3 lb. \$2.85.

LEATHERMAN'S DILUTION TABLE

This Dilution Table indicates the quantities of any given spray material to add to a given quantity of water to give the desired dosage (strength) of spray.

Bureau of Standards Household Measurements

Abbreviations Tsp.—level teaspoonful
Tbs.—level tablespoonful
3 Tsp. = 1 Tbs. 8 Ounces = 1 Cup
2 Tbs. = 1 Ounce 16 Ounces = 1 Pint
32 Ounces = 1 Quart

Add water to make total volume indicated below	Strength Required		
	1 to 50	1 to 100	1 to 200
1 Quart	1½ Tbs.	2 Tsp.	1 Tsp.
1 Gallon	5¼ Tbs.	3 Tbs.	4 Tsp.
3 Gallons	½ Pt.	¼ Pt.	4 Tbs.
5 Gallons	1½ Cups	1 Scant Cup	6½ Tbs.
100 Gallons	2 Gals.	1 Gal.	2 Qts.

UP-TO-DATE WEED KILLERS

For Weedless Lawns



New Improved Formula for 1950

New Improved Weedone contains the powerful 2,4,5T as well as 2,4D, the two most effective select Lawn Weed Killers known. The proper combination of these chemicals plus penetrants and wetting agents makes Weedone the outstanding Weed Killer. It kills more weeds and woody plants than either 2,4D or 2,4,5T alone.

Weedone does not give off vapors that might drift and injure nearby valuable rose, flower or vegetable plants. This is an exclusive feature.

Weedone has many uses around the home grounds as well as its great value in lawns. For instance, it will kill Poison Ivy, Poison Oak, Briars and many other woody plants, and it kills tree stumps to prevent regrowth. Directions on package. **8 oz. can \$1.00, Qt. can \$2.75, Gal. \$6.95.**

Weedone Brush Killer 32

A new concentrated formula of 2,4D plus 2,4,5T more powerful than either alone. Indispensable to the farmer for cleaning out weeds and patches of woody plants and stumps. Can be mixed with water or oil. Ask for full instruction leaflet. **Gal. \$9.25.**

TCA Sodium Salt Kills Quack Grass

A new chemical that can now be offered to kill quack grass. Many times one application has effected a 100% kill. TCA may be used with safety and crops may be planted in the treated area within 5 to 6 weeks after. The Ohio Experiment Station treated an area the first week in April and planted corn there at usual date. The rate of application varies with soil and weather conditions.

Let us know the area to be covered. We will suggest quantity needed and the cost.

Concentrated 2, 4D's for Agricultural Use

For pre-emergence and post emergence spraying of sweet corn, field corn and small grains.

DuPont 46% Esters 2, 4D Weed Killer 2, 4D Acid Equivalent 38.6%.

DuPont 67% Amine 2, 4D Weed Killer 2, 4D Acid Equivalent 40%.

Ask for prices.

G & O Weed Killer

A fast killer of Poison Ivy and practically all vegetation. Not for lawns. Very inexpensive for use on all areas that need to be kept clean of vegetation, like tennis courts, driveways, etc. **Qt. 70c, gal. \$1.90.**



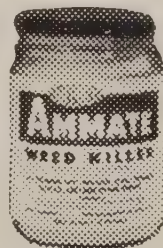
Sel-tox kills Crab Grass without permanent injury to lawn grasses. Grass blades may be discolored after treatment but soon recover normal appearance.

Sel-tox not only kills top growth of Crab Grass but is absorbed by and destroys the root system. It will not sterilize the soil when directions are followed. It works quickly, usually in 6 to 7 days.

Sel-tox may be used any time during the growing season from "seedling" stage to mature growth.

Simply mix with water and apply with watering can or sprayer. The 16 oz. tin makes 15 to 20 gallons of solution and treats 1500 to 2000 sq. ft. **8 oz. \$1.00, 16 oz. \$1.50, qt. \$2.50.**

DuPont Ammate



DuPont Ammate. Destroys all weeds and plant growth to which it is applied—even brush and trees. The home owner will find it effective in keeping driveways, tennis courts, etc., free of growth and for "spot" treatment on lawns. The Farmer uses it to eradicate patches of thistle, poison ivy, quack grass, etc. Ammate is not poisonous and has no fire or explosive hazard. **2 lb.**

Bottle 85c, 6 lbs. \$2.25, 10 lbs. bulk \$3.00, 50 lb. Drum \$13.00.

Shell Weed Killer 130

**For Vegetable Crops
For Potatoes**

**For Corn
Grapes and Orchards**

Shell 130 is a new formulation, Pentachlorophenol with aromatic oils and emulsifiers. During summer of 1948 it was thoroughly tested by the manufacturer in co-operation with the Ohio Experiment Station and can now be recommended for pre-emergence spraying on vegetable crops, the application keeping the crop free of weeds for 4 weeks or more, of great value in getting the crop ahead of weeds. Also for corn and potatoes applied just as crop is coming through the ground.

Ask for full directions on application and prices. Your cost of material per acre will be reasonable.

Aero Cyanate for Onions

Aero Cyanate will eradicate most weeds troublesome to onions without damage to the crop. On seedling onions, 1 lb. is dissolved in 12 gallons of water. It requires 50 to 80 gallons of the solution to cover one acre. On large onions (6 inches tall or longer) dissolve 2 lbs. in 12 gallons of water.

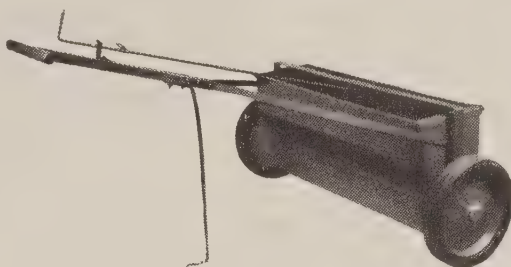
Ask for leaflet on application and prices.



Home Lawn Spreader



The Handi-Cart



Commercial Spreader for Large Areas

Masters Fertilizer Spreaders

These do an excellent job of distributing fertilizer evenly and quickly. Easily adjusted to apply the required amount per 1000 sq. ft. They are made to last, of heavy gauge steel. There is really nothing to deteriorate if any reasonable care is given.

No. 25 Home Lawn Distributor. Has capacity of 20 lbs. of fertilizer, 18 inch width, 8 inch diameter, steel disc wheels. It has shut off adjustment on the handle. **Price \$6.75.**

No. 30 Distributor. Capacity 40 to 50 lbs. of fertilizer, 18 inch spreading width, with revolving agitator inside of hopper, and handle adjustment control. Wheels 10 inches, rubber tired. **Price \$10.75.**

Model M 241 Distributor. This is built for many years of hard service and it is simple to operate. Spreading width is 24 inches, hopper capacity 65-75 lbs. Has large strong disc wheels, rotary agitator and perforated scatter board, that sifts fertilizer evenly. **Price \$27.50.**

361 S Distributor. 36 inch spreading width with 100-120 lb. hopper capacity. **Price \$37.00.**

361 SD Commercial Distributor. This is especially designed for Parks, Cemeteries, Golf Courses, Estates, etc. Professionals want this type. It has 36 inch spreading width and capacity of 100-120 lbs. Adjustment is accurate enough to distribute even grass seed efficiently. 5½ inch semi-pneumatic tires, stainless steel shut off plate, agitator disc and hopper bottom. Agitator with drive on both wheels. **Price \$52.75.**

A Good Investment for Every Home Owner

The Masters Handi-Cart

The Handi-Cart is the modern successor to the wheelbarrow. It does dozens of odd jobs around home, garden, garage and yard and does the job easily. For moving dirt, sand, gravel, leaves, grass cuttings or for bricks, rocks, and other heavy objects. Simply tip it down, rake, shovel or roll the load into it, tip it back and away you go.

Handi-Carts are engineered to give you years of service. Spot welded throughout, reinforced sheet steel body, solid steel axle, 10 inch steel disc, rubber tired wheels.

Made in 2 sizes

No. 18. 3 cu. ft. capacity. Hopper made of 24 gauge prime stock steel. **Price \$8.95.**

No. 20. 3½ cu. ft. capacity. Hopper made for extra heavy usage. **De Luxe Model 20, Price \$13.95.**

Keep Your Lawn Clean— With a Parker Sweeper

Does Four Hours' Work in One Hour

As compared with the hand rake you can readily accomplish that time saving. The Sweeper cleans up leaves, lawn clippings, small twigs, trash and papers and can even be adjusted to remove worm casts, ant hills and debris of light character.

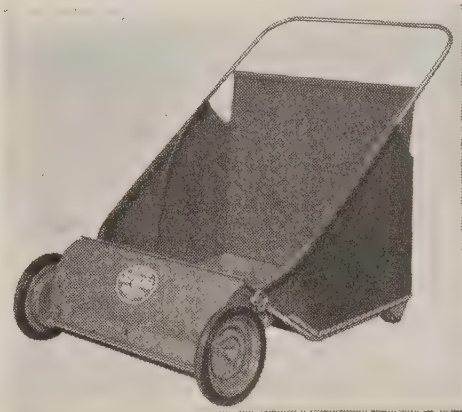
For everyone who takes pride in maintaining an attractive lawn with comparatively little effort, a Lawn Sweeper is almost a necessity.

Three Styles Available

Yardgroom. Sweeping width 20 inches. Hopper capacity 3½ bushels. Semi-pneumatic rubber tires. **Price \$34.00.**

Springfield. Sweeping width 22 inches. Hopper capacity 5 bushels. Semi-pneumatic rubber tires. **Price \$44.00.**

Parkerette. Sweeping width 20 inches. Hopper capacity 3½ bushels. Lighter construction, but substantial. **Price \$26.50.**



Ross Root Feeder

Attaches right to your hose and carries plant food and water down to the plant roots where needed. Especially valuable for Evergreens, Roses, Azaleas, even Trees and Turf. Has 100 uses. Rod reaches down 2 ft. **Complete with 12 plant food cartridges \$3.50. Extra cartridges either neutral or acid \$1.00 per doz.**



Toro Hand and Power Lawn Mowers

The Toro name is a guarantee of good quality in Mowers. Toro equipment is used on thousands of Golf Courses and, of course, other large areas throughout the country and the mowers must be right to gain that prestige.

Toro Sportlawn Power Mower

At a price within the reach of so many

An outstanding performer, the Sportlawn has plenty of reserve power to cut long tough grass on steep slopes, has finger tip controls, sturdy chain drive, simple friction clutch, and cushioned rubber tires, sectional roller, and is so simple to operate.

Specifications. 18 inch cutting width with a sturdy dependable $\frac{3}{4}$ H.P. 4 cycle Briggs & Stratton engine. 6 inch diameter 5 blade reel. Easily adjusted cutting height. Self-adjusted ball bearings, and heat treated blades and bed knife. **Price \$97.50.**

21 inch Sportlawn \$113.50.

Reo DeLuxe Power Mower

Trimalawn 25 in. cut

One of the easiest to handle Power Mowers ever designed, with power to spare for tough grass or steep grades. Adjustable cutting height. $1\frac{1}{2}$ H.P. 4 cycle engine. **\$184.45.**

Extra Attachments for Trimalawn

Snow Plow 24 inch \$20.50. 30 inch \$30.45. Riding Sulky \$38.65. Wing Units \$76.75.

Toro Sportsman Hand Mower

Here is a mower that we really believe you will enjoy using. It is made to cut well and to last a long time, as the manufacturer states "it is every inch a quality mower." 17 inch cutting width, 6 inch diameter 5 bladed reel, has adjustable cutting height $\frac{1}{2}$ to 2 inches. Has a noiseless rubber covered roller and semi-pneumatic tires.

Sportsman has a self-lapping adjustment for sharpening. Just set a pin and the blades whirl in reverse, sharpening them in a few minutes. **Sportsman 17 inch \$29.50.**

Reo Royale Power Mower

A Reo built mower which is good proof of its reliability. Full power driven with $1\frac{1}{2}$ H.P. 4 cycle, easy starting engine capable of climbing steep grades. Has a "Magic touch" start, stop, speed up or slow down control for clutch and throttle. Readily adjustable cutting height, and the handle can be readily adjusted to the short, average or tall operator. Full 21 inch cut that will take care of 3 acres a day without undue effort. **Reo Royale 21 inch \$104.45. Grass Catcher \$4.45.**



HUBBARD ball-bearing SPRINKLER

The Hubbard gives you an even saturating spray covering 12 to 12,000 sq. ft. with simple faucet adjustment. We tried it on high pressure to the very low pressure and it always does a good job. Operates on as low as 2 lbs. pressure. The Hubbard Ball Bearing assembly is responsible. **Model D (as illustrated) \$5.95.**

Model J. This is the same sprinkling head as the D but it has a long upright in 2 sections totaling 40 inches. This reaches well up above low plants and is especially desirable for the garden. If wanted, only one section can be used reaching up 20 inches. Fits into the ground with a long, steel spike. **Model J 40 inch \$5.95.**

Lever Spray Hose Nozzles

Have automatic shut off which is of great convenience in most sprinkling operations. The degree of stream or spray is set and modified at will by hand pressure. **Each \$1.49.**

Dayton Lawn Sprinklers

Backed by over 30 years of experience in irrigation problems. Dayton Sprinklers are correctly designed so that the soil gets the full benefit of all the moisture. All styles are guaranteed.

Dayton Rotary. Designed for low and moderate water pressure. Adjustable while in operation for rotary speed and from a light spray to a heavy stream. Gives even coverage. **\$9.00.**

3-Way Combination. Really 3 sprinklers in one, instantly adjustable without tools. Includes a circular spray, a whirling spray and a half spray for hard to get places and strips. **\$7.00.**

Dayton No. 12 Non-Clog. Revolves, and also adjustable to cover squares. When revolving it covers approximately 45 ft. in diameter at average pressure. **\$6.50.**

Rainstorm Type C. Has two short center nozzles and 2 longer arms that give an even and thorough distribution of water. **\$3.75.**

In-A-Row Sprinkling Heads. A few of them spaced 18 ft. apart on a line of hose makes an irrigation system for lawn or garden. Each head gives intensified circular spray from a few feet up to 28 ft. depending on pressure.

No. 8 has standard hose connections on both sides. **\$1.25 each.**

No. 10 has hose connections on one side, closed on other for end of line. Can be used as a single sprinkler. **\$1.25 each.**



Climax

Cardinal
3 Quart
Sprayer
Very Handy

Insect-O-Gun

Efficient Sprayers and Dusters

It pays to have good equipment to spray and dust. In fact, many gardeners find it saving in time to have two or three applicators to keep loaded with different materials. This is especially so with 2, 4D Weed Killers. Its best to have a separate sprayer for that material alone.

Hudson Compressed Air

Perfection. This is the best of the compressed air sprayers. It has full 4 gallon capacity; oil and chemical proof hose attachments.

No. 310G Perfection. Galvanized tank. \$12.00.

No. 310S Perfection. Stainless tank. \$22.00.

Climax. 3½ gallon capacity.

No. 335G Climax. Galvanized tank. \$9.80.

No. 335S Climax. Stainless tank. \$19.60.

No. 341G Climax Jr. Galvanized 2½ gal. \$9.80.

No. 241B Climax Jr. Copper 2½ gal. \$16.00.

Booster. 3 gallon capacity.

No. 291G Galvanized tank \$6.25.

No. 220G. Bugwizer. 2½ gal. cap. \$5.75.

Flame Thrower. Has a burner producing 2000 F. Throws a flame 15-18 inches long and 8-12 inches wide. **No. 701 Galvanized tank \$22.80.**

DuMore Knapsack Sprayer. 4 gallon. The best of the type for unusual ease of operation, carrying, and continuous high pressure spraying. **No. 347 Galvanized tank \$28.40.**

Cardinal Continuous. A dandy hand sprayer with 3 qt. capacity. Has the new "2 spray" nozzle which fits it for all types of spraying work and all densities of solution. **No. 436 \$2.00.**

Capital Compression Sprayer. 3 quart capacity, is both a compression and continuous sprayer, especially useful in all kinds of buildings. Useful to commercial exterminators, janitors, porters and caretakers. **No. 438 \$3.00.**

Hudson Porta-Sprayer. Four gallon compression sprayer with Boom and Cart. Perfection copper with a sturdy light weight cart and 3 nozzle, flat fan spray boom for fast coverage. **No. 2210B \$25.60.**

Masters
For All Kinds
of Spraying



G. S. Master Sprayers

The handiest sprayer of this type we have ever seen. Works from any bucket or container and sprays continuously with very little effort. Nozzle adjusts from fine mist to heavy stream. This is a very handy article to have around any home, its uses are so numerous.

G. S. Master Sprayer \$7.95 each.

Insect-O-Gun

Attaching right to the hose, it is very easy to apply weed killers or soluble fertilizer to the lawn, or to apply liquid sprays to the flower or vegetable garden, any place you can reach with the hose.

Model No. 3 \$5.95.

Gard-N-Gun \$2.45.

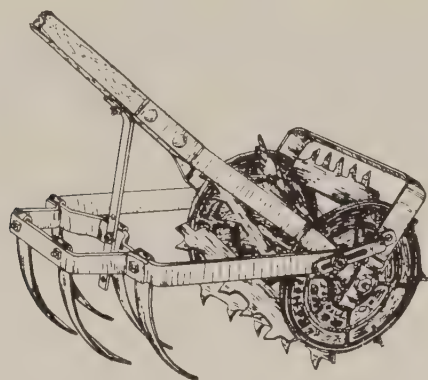
Gro-Gun. For soluble fertilizers. \$2.45.

Roto-Power Duster

An improved model, guaranteed to turn easier and to deliver dust at higher velocity than any other crank duster. It will not clog or choke up. Has 3-15 inch telescoping tubes adjustable to any width or angle. Two fan shaped self-cleaning nozzles. **No. 806 \$32.80.**

Stauffer Knapsack Duster. This is not approached by any other Knapsack Duster made for comfort to the user, ease of operation and efficient application of materials. **\$28.00.**

766A Admiral Duster. Today's outstanding duster for the home garden **\$1.55.**

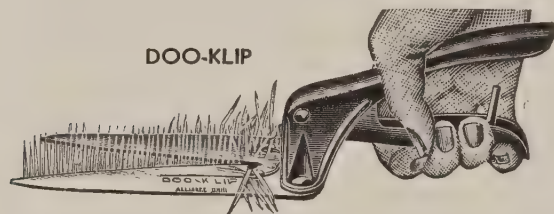


Ro-Ho Gardener

Combined Mulcher, Weeder, Rotary Hoe, and Cultivator. Does it all in one operation.

10 Ro-Ho. Works a strip 10½ inches wide. Complete with 5 cultivator shovels and scuffle knife. Each \$8.95.

Grass Shears



Standard Doo-Klip. Because of the up-and-down action the Doo-Klip is certainly the easiest and best grass shears to use without tiring or blistered hands. Now made with serrated edge blades. Beautifully finished to last for years. **Pair \$1.95.**

Snip-itt Junior with the same up and down action as the famous Doo-Klip. Slightly lighter and smaller. **Pair \$1.50.**

Long Handle Doo-Klip. The user stands erect at all times in a natural easy position. Operates easily. **Pair \$3.50.**



Doo-Klip Hedge Shears

Combines superior cutting quality with better balance and operating comfort. Has rubber handles with molded grips and scalloped blades which are made of drop forged hardened alloy steel. The blade length is 8½ inches, the overall length 21½ inches. **Price \$3.95.**

Electric Hedge Shears

Syracuse. Certainly a good buy because of quick cutting and low price. **\$39.95.**

6 ft. extension handle extra, \$3.50.

100 ft. rubber covered cable extra, \$6.50.

Hedge-Klip. Very efficient and easy to operate with two full grip handles. Patented cutting blades, 15 ft. extension cord. Weighs only 7½ lbs. **Price \$44.50.**

"Train-ettes"—Sweet Pea Trellis

Trainettes are weatherized and scientifically made and are just the thing for supporting Sweet Peas, Garden Peas and other annual vines.

Size No. 1, 5 ft. high, 6 ft. long, **65c.**

Size No. 2, 5 ft. high, 8 ft. long, **85c.**

Size No. 3, 5 ft. high, 15 ft. long, **\$1.25.**



SEE... JUST A SIMPLE
TWIST OF THE WRIST
AND IT'S
TIED...

"Twist-Ems"

The latest in plant ties, taking the place of twine and raffia. Easy to use, good looking, practical and long lasting. Twist-Ems are dark green tapes with wire reinforcing, applied by a simple "twist of the wrist." **Box of 200— 4 inches long 25c.**

Box of 100— 8 inches long 25c.

Box of 100—16 inches long 50c.

Prices in Bulk per 1000

7 inch \$1.65 8 inch \$1.90 16 inch \$3.75

We can supply any of these sizes up to 100,000 lots or more. Ask for prices.

Soil Testing Kits

2 Minute Kit. Tells whether soil is sweet or acid and to what degree. Complete with instructions and charts. **Each \$1.00.**

Home Garden Model. A 20-test kit, tests for nitrogen, phosphorus, potash, and acidity, giving all essential information to produce maximum crops with least expense for fertilizer. **Price \$2.50.**

Club Model. Excellent for Garden and 4H Clubs and commercial growers. Makes 50 individual tests for Nitrogen, Phosphorus, Potash, and Acidity. Complete with instructions and data. **Each \$4.75.**

Horticultural Model. Has 4 times as much testing material as Club Model. **Price \$12.50.**



Protect your hands with these gloves, soft yet durable goat skin, dirt proof, easy to wear, not at all clumsy and washable. Tough enough to stand handling of Roses, Barberry, and other thorny plants. Ladies say they keep their hands soft. Men find them tough enough for handling rough materials. Several sizes. **Ladies Small, Medium, and Large, \$1.15 per pair. Men's Medium and Large, \$1.25 per pair.**

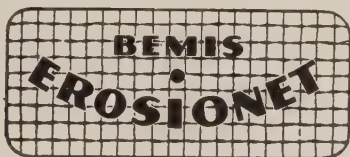
Soil Soakers

Apply Water Where You Want It

Made of canvas, treated to resist mildew. The soakers are open at one end which screws to the end of the garden hose. When the water is turned on the Soil Soaker fills with water and normal pressure forces water through the pores of the entire surface, uniformly without spray. You can imagine how well this soaks the soil slowly so that the water really gets down to the roots. It is ideal for narrow strips of lawn or for the row of evergreens along the foundation of the home. The water gets right where you want it and there only.

4 sizes viz.:

No. 0—12' long \$1.65 No. 1—18' long \$2.20
 No. 2—30' long 3.20 No. 3—50' long 5.40



Erosionet for Lawns. A strong economical open mesh fabric. When placed over any seeded surface it catches and holds the seed and soil in place. Especially valuable for terraces and other "hard to catch" spots. Material is 44 inches wide. Per yard 22c, 10 yards or more at 20c yd.

Grass Catchers. Made with one piece, non-rust, heavy galvanized bottom and extra strong canvas sides. It also has a patented non-spill bar. Can be attached to practically any size hand mower or up to 21 inch power mower. Price, No. 1220 DeLuxe \$2.45.

Spike-Tamp Your Lawn

Spiking or perforating the lawn is very desirable at any time. It helps to develop deep root systems. The spiker comes in so handy, especially on the hard bare spots that so often mar the appearance of the lawn. Spike these spots, fertilize and seed. On terraces its just what you need to thicken up the grass. Seed and fertilizer get under the surface. The head is reversible to use as a spiker or a tamper. Price \$6.95.

Soil-Aire. Tool for aerating turf. DeLuxe model, double tine. Each \$6.95.

Vincor Plastic Hose

Durable—Long Lived—Will Not Kink

Superior in many ways to the highest priced rubber hose, yet costing no more than medium grade. Full size, carrying as much water as 5/8 inch rubber, bursting strength over 450 lbs. per sq. in. Very light, 50 ft. length only 10 1/4 lbs. Vincor is resistant to cold, heat, or damage from oils or grease. You will find it very hard to damage even if you set about doing it. Carries 3 yr. guarantee and will last much longer. 3 colors, Red, Green, or Black, with couplings.

Please ask for prices.

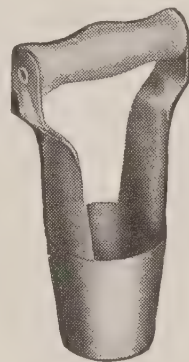
Water Weight Rollers

Help keep the lawn in good condition, especially important in spring to overcome winter damage. A well-rolled lawn is tough on moles.

Please ask for prices on styles available.

2 in 1 Bulb Planter

Makes a hole in one operation. Cut the tool into the soil, remove with a twisting motion which takes up a plug of soil leaving a flat bottomed hole. Great for planting bulbs and many small plants. Each 75c.



Mole Trap

Choker Loop. The only trap that always catches the mole in all kinds of ground. Directions with each trap. Each \$2.50.

Vita-Bands for Plants

Vita-Bands are almost a necessity to the gardener who starts seed early indoors. They are nutrient treated to assure growth.

Vita-Bands No. 40. The heavier band that will take care of plants up to 40 weeks.

Size	Doz.	100	500	1000
2 x 2 x 2 1/2	\$.15	\$.85	\$3.25	\$5.90
2 1/2 x 2 1/2 x 3	.18	1.00	4.25	7.65
3 x 3 x 3	.22	1.30	4.90	8.90

Vita Bands No. 10. The low cost lighter band.

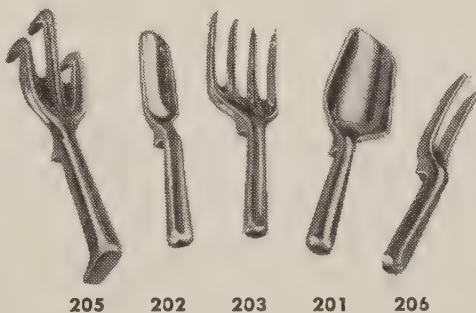
Size	Doz.	100	500	1000
2 x 2 x 2 1/2	\$.10	\$.60	\$2.25	\$4.00
2 1/2 x 2 1/2 x 3	.15	.80	2.75	5.25
3 x 3 x 3	.18	.90	3.10	6.20

Neponset Red Fiber Pots

Size	Doz.	100	500	1000
2 1/2 in.	\$.20	\$1.10	\$4.20	\$7.60
3 in.	.22	1.20	4.50	8.00
3 1/2 in.	.25	1.50	5.75	10.60

Pot and Tree Labels

	50	100	500	1000
4 in. Plain	\$.25	\$.40	\$1.50	\$2.50
4 in. Painted	.30	.50	1.80	3.00
6 in. Plain	.30	.50	1.80	3.10
6 in. Painted	.35	.55	2.10	3.70
10 in. Plain	.50	.85	3.00	5.50
10 in. Painted	.60	1.00	3.60	6.70
12 in. Stakes	1.20	2.00	8.00	15.00
Wired Tree	.35	.60	2.20	3.80



"Featherlite" Garden Tools

Aluminum alloy, very light, yet very strong and will never rust. Easy to use, fine looking.

Matched Set includes Nos. 201, 202 and 203 as illustrated above. **Special \$1.95.**

Numbers bought individually, 60 to 70c each.

**Now We Have for You
The NEW and GOOD—PELLETED SEEDS**

WHAT THAT MEANS. To pellet seeds means the process of coating each single individual seed with a composition that makes it grow better and faster and protects it from diseases and insects present in the soil. It also, of course, increases the size of the seeds so that they can be readily handled and planted individually. Seeds thus can be properly spaced in the row, getting away from tiresome "thinning out" operations.

For the first time we are able to offer you as listed below, many of the best varieties of vegetables and flowers.

Our composition of plant food, hormones, fungicides and insecticides was developed by the Dow Chemical Co. It is scientifically made and has several years of investigation and proof behind it. As soil moisture comes into contact with the seed the coating softens and the seeds germinate. We have glowing reports of earlier crops and bigger crops, and we urge you to give pelleted seeds serious consideration and at least a trial in 1950.

At present, the varieties are only offered by the packet. However, each packet contains a generous amount of seed.

20c per Packet

ALL VARIETIES

20c per Packet

Pelleted Vegetable Varieties

- BEANS—Tendergreen Green Pod
- BEANS—Golden Wax, Top Notch
- BEET—Detroit Dark Red
- CABBAGE—Wisconsin Hollander Y. R.
- CABBAGE—Copenhagen Market
- CABBAGE—Golden Acre
- CARROT—Chantenay Red Core
- CARROT—Danvers Half Long
- CARROT—Tendersweet
- CAULIFLOWER—Early Snowball
- SWEET CORN—Golden Cross Bantam Hybrid
- SWEET CORN—Spancross Hybrid
- CUCUMBER—Straight 8 Slicer
- CUCUMBER—Chicago Pickling
- HEAD LETTUCE—Great Lakes
- LEAF LETTUCE—Black Seeded Simpson
- LEAF LETTUCE—Oakleaf
- MUSKMELON—Hearts of Gold
- MUSKMELON—Honey Rock
- ONION—Sweet Spanish Yellow
- ONION—Yellow Globe
- ONION—White Portugal
- PEAS—Thomas Laxton
- PEAS—Alaska Extra Early
- HOT PEPPER—Hungarian Yellow Wax
- SWEET PEPPER—California Wonder
- RADISH—Early Scarlet Globe
- RUTABAGA—American Purple Top

- SQUASH—Table Queen
- SPINACH—Bloomsdale
- TOMATO—Marglobe
- TOMATO—Rutgers
- TOMATO—Chatham Earliest of All
- TURNIP—Purple Top White Globe
- WATERMELON—Early Northern Sweet

Flower Varieties

- SWEET ALYSSUM—Carpet of Snow
- ASTER—Crego, Mixed
- CALENDULA—Special Mixture
- COSMOS—Sensation, Mixed
- DELPHINIUM—Gold Medal Hybrids, Mixed
- HOLLYHOCK—Giant Double, Mixed
- LARKSPUR—Giant Imperial, Mixed
- MARIGOLD—Mission Giant, Mixed
- MARIGOLD—French Dwarf Double, Mixed
- MORNING GLORY—Heavenly Blue
- PETUNIA—Bedding Mixture
- PETUNIA—Rosy Morn
- PHLOX—Giant Art Shades, Mixed
- CALIFORNIA POPPY—Mixed Colors
- PORTULACA—Double, Mixed
- STOCKS—Giant Imperial, Mixed
- SWEET PEA—Spencer Rainbow Mixture
- VERBENA—Mammoth, Mixed
- ZINNIA—Lilliput, Mixed
- ZINNIA—Giant Dahlia, Mixed

Dozens of Desirable Items for Gardeners

In Stock But Not Included in This Catalog

Pruning Tools

- Pruning Saws Pruning Shears
- Heavy Lopping Shears Long Handled Tree Pruners

Lawn Supplies

- Broom Rakes Many more styles
- Edgers, Grass Whips Power and Hand Mowers

Garden Tools

- Wheel Cultivators Spades and Shovels
- Hand Cultivators Rakes, Hoes, Trowels

Miscellaneous

- Watering Cans Garden Books Flower Boxes
- Berry Baskets Bird Houses Flats and Pots

Shop at Letherman's for Everything for Lawns and Gardens

from _____

Letherman's, incorporated

438 Cleveland Ave., N. W.

CANTON 2, OHIO

Proven Merit Seeds



Plant
ANNUALS

**For All-Season
BLOOM**



Ageratum, Blue Ball



Centaurea Imp., Sweet Sultan



Cosmos, Radiance



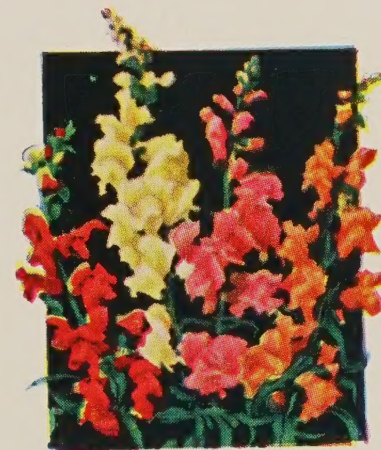
Salvia, Bonfire



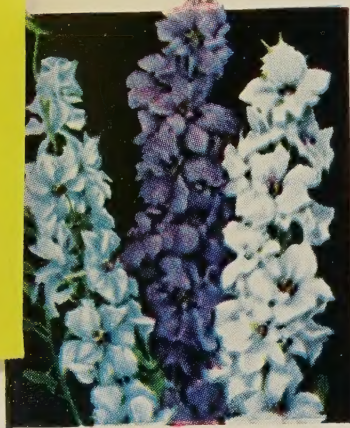
Calendula, Mixed



Scabiosa, Hybrid Mixed



Antirrhinum, Snapdragon



Larkspur for Cutting



Salpiglossis



Nasturtium, Golden Gleam



Verbena for Bedding



Letherman's Inc.

Wholesale and Retail Seeds and Supplies

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Wholesale and Farm Warehouse, 5th St. & McKinley Ave., N. W., Ph-42708
CANTON 2, OHIO